

## **PRODUCT INFORMATION**

SynonymsSARS-CoV-2 B.1.1.529 (Omicron) Spike RBD ProteinProteinRecombinant SARS-CoV-2 RBD(G339D, S371L, S372P, S375F, K417N, N440K, C446S, S477N, T478K, E484A, Q493R, G496S, Q498R, MSOLY, Y505H) protein with C-terminal human Fc tagDeliveryIn StockUniprot IDPODTC2Expression HostHEK293TagC-Human Fc Tag Spotein RBD(G339D, S371L, S373P, S375F, K417N, M440K, C446S, S477N, T478K, E484A, Q498R, Q49S, Q498R, MSOLY, Y505H) (Arg319- Phe541) hFc(Glu99-Ala330) The protein has a predicted molecular mass of s51.2 kba d495, Q498R, MSOLY, Y505H) (Arg319- Phe541) hFc(Glu99-Ala330) The protein has a predicted molecular mass of s0498R, G498C, Q498R, Q408C, Q498R, N501Y, Y505H) (Arg319- Phe541) hFc(Glu99-Ala330) The protein has a predicted molecular mass of s0498R, G498C, Q498R, Q408C, Q408R, N501Y, Y505H) (Arg319- Phe541) hFc(Glu99-Ala330) The protein has a predicted molecular mass of s0498R, G498C, Q498R, Q408C, Q408R, N501Y, Y505H) (Arg319- Phe541) hFc(Glu99-Ala330) The protein has a predicted molecular mass of s0498R, G498C, Q498R, N501Y, Y505H) (Arg319- Phe541) hFc(Glu99-Ala330) The protein has a predicted molecular mass of s0498R, M501Y, Y505H) (Arg319- Phe541) hFc(Glu99-Ala330) The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. Lyophilized from sterile PBS, pH 7.4. Normally 5 % or specific instructions of reconstitution. Storage & ShippingStorage & ShippingStorage for Use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus) is a virus that causes illnesses ranging from the common cold to severe d	Target	S protein RBD
DescriptionRecombinant SARS-Cov'-2 RBD(G339D, S371L, S373F, K417N, N440K, G4465, S477N, T478K, E484A, Q493R, G4965, Q498R, N501Y, Y505H) protein with C-terminal human Fc tagDeliveryIn StockUniprot IDPODTC2Expression HostHEK293TagC-Human Fc TagMolecular CharacterizationSprotein RBD(G339D, S371L, S373F, S375F, K417N, N440K, G4465, S477N, T478K, E484A, Q493R, G4965, Q498R, N501Y, Y505H)/Arg319- PheS41) Fre(Giu99-Ala330)Molecular CharacterizationSprotein RBD(G339D, S371L, S373F, S375F, K417N, N440K, G4465, S477N, T478K, E484A, Q493R, G4965, Q498R, N501Y, Y505H)/Arg319- PheS41) Fre(Giu99-Ala330)Molecular WeightSafter removal of the signal peptide. The apparent molecular mass of RBD(G339D, S371L, S373F, K417N, N440K, G4465, S477N, T478K, E484A, Q493R, G4965, Q498R, N501Y, Y505H)-hrc is approximately 55-70 Kba due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.PurityLyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilized for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as Covid19 (2019 Novel Coronavirus 2) also known as Covid19 (2019 Novel Coronavirus 2). Jas known as Cov	Synonyms	
Uniprot IDPODTC2Expression HostHEK293TagC-Human Fc TagMolecularS protein RBD(G330D, S371L, S373P, S375F, K417N, N440K, G4465, S477N, TA78K, E484A, Q493R, G4965, Q498R, N501Y, Y505H)(Arg319- Phe541) hFc(Glu99-Ala330)Molecular WeightThe protein has a predicted molecular mass of 51.2 kDa after removal of the signal peptide. The apparent molecular mass of RD(G339D, S371L, S373F, S437SF, K417N, N440K, G4465, S477N, H778K, E484A, Q493R, G4965, Q498R, N501Y, Y505H)-hfc is approximately 55-70 kDa due to glycosylation.PurityThe protein has a predicted molecular mass of RD(G339D, S371L, V505H)-hfc is approximately 55-70 kDa due to glycosylation.PurityThe purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.Formulation & Reconstitution-B% trebalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized form ther reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized form that causes illnesses ranging from the common coil to severe diseases. The spike protein is a type 1 transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which accounts for reconjing the cell surface receptor, ACE2, S2 contains basic elements needed for the membrane fusion. Recent publications indicate that S1-RBD domain can induce virus neutralizing-antibody and T cell 	Description	Recombinant SARS-CoV-2 RBD(G339D, S371L, S373P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y,
Expression HostHEK293TagC-Human Fc TagMolecular CharacterizationS protein RBD(G339D, S371L, S373P, S375F, K417N, N440K, C4465, S477N, T478K, E484A, Q439R, C496S, Q498R, N501Y, YS05H)(Arg319- Phe541) hfc(Glu99-Ala330)Molecular WeightBapparent molecular mass of S51.2 kDa after removal of the signal peptide. The apparent molecular mass of RBD(G339D, S371L, 	Delivery	In Stock
TagC-Human Fc TagMolecular CharacterizationS protein RBD(G339D, S371L, S373P, S375F, K417N, N440K, G4465, S47N, 1778K, E484A, Q493R, G4965, Q498R, N501Y, Y505H)(Arg319- Phe541) hFc(Glu99-Ala330)Molecular WeightThe protein has a predicted molecular mass of S373P, S375F, K417N, N440K, G4465, S47N, 177N, T478K, E484A, Q493R, G4965, Q498R, N501Y, Y505H)-hFc is approximately 55-70 KDa due to glycosylation.PurityThe purity of the protein is greater than 95% as determined by SD5-PAGE and Coomassie blue staining.Formulation & ReconstitutionLyophilized from sterile PBS, pH 7.4. Normally 5 % - 9% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized from sterile pass could be ablent temperature. SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. The spike protein is a receptor binding domain (RBD), which accounts for reconjizing the cell surface receptor, ACE2. S2 contains basic elements needed for the embrane region. Recent publications indicate that S1-RBD domain can induce virus neutralizing-antibody and T cell response.UsageResearch use only	Uniprot ID	P0DTC2
Molecular CharacterizationS protein RBD(G339D, S371L, S373P, S375F, K417N, N440K, G4465, S477N, T478K, E484A, Q493R, G4965, Q498R, N501Y, Y505H)(Arg319- Phe541) hFc(Glu99-Ala330) The protein has a predicted molecular mass of S1.2 kDa after removal of the signal peptide. The apparent molecular mass of RBD(G339D, S371L, S375F, K417N, N440K, G4465, S477N, T478K, E484A, Q493R, G4965, Q498R, N501Y, Y505H)(hFc is approximately 55-70 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SD5-PAGE and Coomassie blue staining. Lyophilized form sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before hyophilized form after recexitution. Storage & ShippingStorage & ShippingSARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as Covid19 (2019 Novel Coronavirus 2) also known as Covid19 (2019 Novel Coronavirus 2) also known as covid19 (2019 Novel Coronavirus 3) is a virus that causes illnesses ranging from the common cold to severe diang dmain (RBD), which accounts for recognizing the cell surface receptor, ACE2. S2 contains basic elements needed for the membrane tist. Starage wirus neutralizing-antibody and T cell response.BackgroundResearch use only	<b>Expression Host</b>	HEK293
Molecular CharacterizationK417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y, Y505H)(Arg319- Phe541) hFc(Glu99-Ala330) The protein has a predicted molecular mass of 51.2 kDa after removal of the signal peptide. The apparent molecular mass of RBD(G339D, S371L, S375P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y, Y505H)-hFc is approximately 55-70 kDa due to glycosylation.PurityThe purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilized form and the protein in the ore constitution. Storage & ShippingStorage & ShippingStore at -20°C to -80°C for 12 months in lyophilized for use within a month, aliquot and store at -8°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. SARS-CoV-2 (Severe Acute Respiratory Syndrome Coronavirus 2) also known as Covid19 (2019 Novel Coronavirus) is a virus that causes illnesses ranging from the common cold to severe diseases. The spike protein is a type 1 transmembrane protein containing two subunits, S1 and S2. S1 mainly contains a receptor binding domain (RBD), which accounts for recognizing the cell surface receptor, ACE2. S2 contains basic elements needed for the membrane fusion. Recent publications indicate that S1-RBD domain can induce virus neutralizing-antibody and T cell response.BackgroundResearch use only	Тад	C-Human Fc Tag
Since weightSince weightStorage & ShippingSince weightBackgroundSince weightBackgroundSince weightBackgroundSince weightUsageResearch use onlyUsageResearch use only		KÅ17N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y, Y505H)(Arg319-
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Conjugate Unconjugated	Usage	Research use only
	Conjugate	Unconjugated

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SARS-CoV-2 (Omicron) S protein RBD, hFc Tag Cat. No. PME100687





Figure 1. SARS-CoV-2 (2019-nCoV) S protein RBD (G339D, S371L, S373P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493R, G496S, Q498R, N501Y, Y505H), hFc Tag on SDS-PAGE under reducing condition.

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