

PRODUCT INFORMATION

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| Target | CD3E |
| Synonyms | T3E; TCRE; IMD18; CD3epsilon |
| Description | Recombinant Cynomolgus CD3E protein with C-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | Q95LI5 |
| Expression Host | HEK293 |
| Tag | C-Human Fc tag |
| Molecular Characterization | CD3E(Gln22-Asp117) hFc(Glu99-Ala330) |
| Molecular Weight | The protein has a predicted molecular mass of 37.0 kDa after removal of the signal peptide. The apparent molecular mass of cCD3E-hFc is approximately 35-55 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. |
| Storage & Shipping | 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 proteins are shipped at ambient temperature. |
| Background | The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women. [provided by RefSeq, Jul 2008] |
| Usage | Research use only |
| Conjugate | Unconjugated |



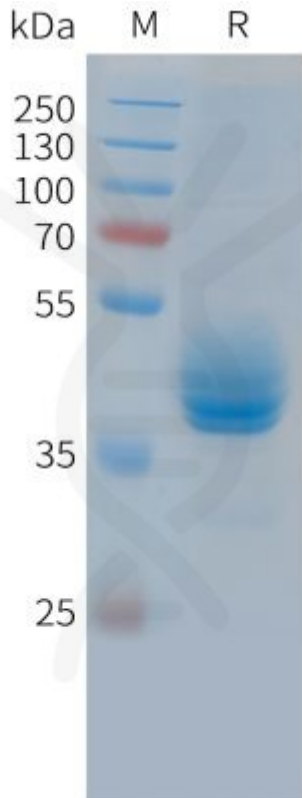


Figure 1. Cynomolgus CD3E Protein, hFc Tag on SDS-PAGE under reducing condition.

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