

PRODUCT INFORMATION

Target CD3E

Synonyms T3E; TCRE; IMD18; CD3epsilon

Recombinant human CD3E Protein with C-**Description**

terminal 10×His tag

Delivery In Stock **Uniprot ID** P07766 **Expression Host HEK293**

Tag C-10×His tag

Molecular

CD3E(Asp23-Asp126) 10×His tag Characterization

The protein has a predicted molecular mass of **Molecular Weight** 13.1 kDa after removal of the signal peptide.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation & Reconstitution

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). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

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 het Tolia carrelation 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. **Background** 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



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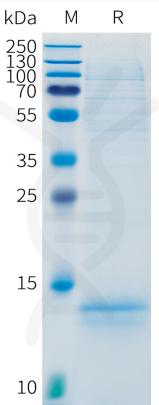


Figure 1. Human CD3E Protein, His Tag on SDS-PAGE under reducing condition.

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