

## **PRODUCT INFORMATION**

CD3E **Target** 

CD3e;T3E **Synonyms** 

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

terminal human Fc tag

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

Tag C-Human Fc Tag

Molecular

Storage & Shipping

**Background** 

CD3E(Asp23-Asp126) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of

37.9 kDa after removal of the signal peptide. The apparent molecular mass of CD3E-hFc is **Molecular Weight** 

approximately 35-55 kDa due to glycosylation. The purity of the protein is greater than 95% 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 lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

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 proteins are shipped at ambient

temperature.

The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3gamma, -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 signaltransduction 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







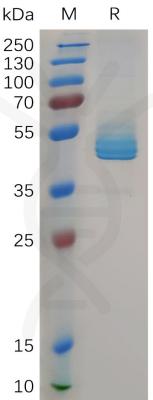


Figure 1. Human CD3E Protein, hFc Tag on SDS-PAGE under reducing condition.

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