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## 32-18482: Cynomolgus CD3E Protein, hFc Tag

Uniprot ID: Q95LI5

Alternative Name: T3E; TCRE; IMD18; CD3epsilon

## **Description**

**Description:** Recombinant Cynomolgus CD3E protein with C-terminal human Fc tag

**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.

**Molecular Characterization:** 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.

Tag: C-Human Fc tag

## **Product Info**

**Amount :**  $50 \mu g / 100 \mu g$ 

**Purification:** The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

staining.

**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before

lyophilization.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended

**Storage condition :** for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).

Lyophilized proteins are shipped at ambient temperature.

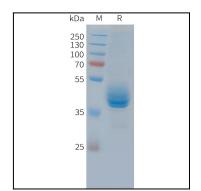


Figure 1. Cynomolgus CD3E Protein, hFc Tag on SDS-PAGE under reducing condition.