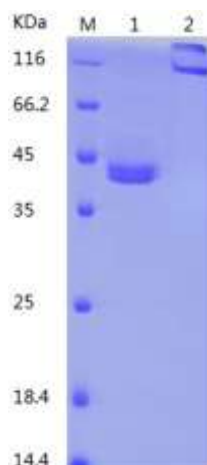


## Recombinant Human CD3E (C-hFc)

Catalog No: BP187

<b>Description</b>	Recombinant Human T-cell surface glycoprotein CD3 epsilon chain is produced by our Mammalian expression system and the target gene encoding Asp23-Asp126 is expressed with a Fc tag at the C-terminus.
<b>Expression System</b>	Human
<b>Alternative name</b>	T-Cell Surface Glycoprotein CD3 Epsilon Chain; T-Cell Surface Antigen T3/Leu-4 Epsilon Chain; CD3e; CD3E; T3E
<b>Accession No.</b>	P07766
<b>Predicted Molecular Weight</b>	38.4kDa
<b>Apparent Molecular Weight</b>	35-45kDa
<b>Quality Control</b>	Purity: greater than 95% as determined by reducing SDS-PAGE. Endotoxin: less than 0.1 ng/μg (1 EU/μg) as determined by TAL test.
<b>Formulation</b>	PBS, 0.01%Tween 80, pH 7.4
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
<b>Background</b>	CD3 epsilon (T-Cell Surface Glycoprotein CD3 Epsilon), is a single-pass type I membrane glycoprotein, that belongs to the Ig (Immunoglobulin) superfamily. CD3E contains 1 Ig-like domain and 1 ITAM domain. CD3E, together with CD3-gamma, CD3-delta and CD3-zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T cell receptor-CD3 complex. This complex is essential for 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 important role in T-cell development. Defects in CD3E gene cause severe immunodeficiency. CD3E gene has also been linked to a susceptibility to type I diabetes in women.

### SDS-PAGE



M: Marker

1: Sample in reducing conditions

2: Sample in non-reducing conditions