

Product datasheet for **TP724829**

CD3E Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human CD3E (C-hFc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Asp23-Asp126
Tag:	C-hFc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, 0.01%Tween 80, pH 7.4
Note:	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.
Storage:	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 2-5 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	916
UniProt ID:	<u>P07766</u>
Summary:	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.


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