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Product datasheet for TP727507

CD3E Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human CD3 Îµ/CD3E (C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Asp23-Asp126
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, 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 2-7 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:	P07766
Synonyms:	T-Cell Surface Glycoprotein CD3 Epsilon Chain; T-Cell Surface Antigen T3/Leu-4 Epsilon Chain; CD3e; CD3E; T3E
Summary:	T-Cell Surface Glycoprotein CD3 Îµ Chain (CD3Îµ) is a single-pass type I membrane protein. CD3Îµ contains 1 Ig-like (immunoglobulin-like) domain and 1 ITAM domain. CD3Îµ is a polypeptide encoded by the CD3E gene on chromosome 11 in humans. The T cell receptor-CD3 complex (TCR/CD3 complex) is involved in T-cell development and several intracellular signal-transduction pathways. This complex is critical for T-cell development and function, and represents one of the most complex transmembrane receptors. The T cell receptor-CD3 complex is unique in having ten cytoplasmic immunoreceptor tyrosine-based activation motifs (ITAMs). TCR/CD3 complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways.
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Hematopoietic cell lineage, Primary immunodeficiency, T cell receptor signaling pathway

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