Recombinant Human CD3E Protein, C-Fc-Avi tagged, Biotinylated

Cat. No. CD3E-32H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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, Avi tag at the C-terminus.
Species	Human
Source	Human Cells
ProteinLength	Asp23-Asp126
Description	T-Cell Surface Glycoprotein CD3 ε Chain (CD3ε) is a single-pass type I membrane protein. CD3ε contains 1 Ig-like (immunoglobulin-like) domain and 1 ITAM domain. CD3ε 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.
Endotoxin	Less than 0.1 ng/μg (1 EU/μg)

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Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4.
Shipping	Ambient
Conjugation	Biotin

GENE INFORMATION

Gene Name	CD3E CD3e molecule, epsilon (CD3-TCR complex) [Homo sapiens (human)]
Official Symbol	CD3E
Synonyms	T-Cell Surface Glycoprotein CD3 Epsilon Chain; T-Cell Surface Antigen T3/Leu-4 Epsilon Chain; CD3e; CD3E; T3E
Gene ID	916
mRNA Refseq	NM_000733
Protein Refseq	NP_000724
MIM	186830
UniProt ID	P07766

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