

Recombinant Human CD3E Protein, Fc\Avi-tagged

Cat. No. CD3E-204H **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
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.
Form	Lyophilized from a 0.2 μm filtered solution of PBS, PH7.4.
AA Sequence	Asp23-Asp126
Endotoxin	Less than 0.1 ng/ug (1 EU/ug).

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Shipping

Ambient

GENE INFORMATION**Gene Name** CD3E CD3 epsilon subunit of T-cell receptor 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; TCRE; IMD18; CD3epsilon**Gene ID** 916**mRNA Refseq** NM_000733.4**Protein Refseq** NP_000724.1**MIM** 186830**UniProt ID** P07766 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA