

# 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)

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA