

Active Recombinant Human CD3E & CD3G protein, His-Avi-tagged, Biotinylated

Cat. No. CD3E & CD3G-34H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human CD3E&CD3G Heterodimer Protein, His,Avitag&Tag Free is expressed from human 293 cells (HEK293). It contains AA Asp 23 - Asp 126 (CD3E) & Gln 23 - Ser 116 (CD3G) (Accession # NP_000724.1(CD3E) & AAI13831(CD3G)).
Species	Human
Source	HEK293
ProteinLength	Asp 23 - Asp 126 (CD3E) & Gln 23 - Ser 116 (CD3G)
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.
Bio-activity	Immobilized Mouse Anti-Human CD3 (SP34-2) at 1 µg/mL (100 µL/well) can bind Biotinylated Human CD3E&CD3G Heterodimer Protein, His,Avitag&Tag Free with a linear range of 0.016-0.25 µg/mL.
Molecular Mass	The protein has a calculated MW of 18.6 kDa (CD3E) and 14.7 kDa (CD3G). Subunit CD3E is fused with a polyhistidine tag at the C-terminus, followed by an Avi tag and subunit CD3G contains no tag at the C-terminus. The reducing (R) heterodimer protein migrates as 22 kDa and 24-30 kDa due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.

 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

>90% as determined by SEC-MALS.

Storage

For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

-20 centigrade to -70 centigrade for 12 months in lyophilized state;

-70 centigrade for 3 months under sterile conditions after reconstitution.

Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

Conjugation

Biotin

GENE INFORMATION

Gene Name

CD3E CD3e molecule, epsilon (CD3-TCR complex) [Homo sapiens]

Official Symbol

CD3E

Synonyms

CD3E; CD3e molecule, epsilon (CD3-TCR complex); CD3e antigen, epsilon polypeptide (TiT3 complex); T-cell surface glycoprotein CD3 epsilon chain; CD3-epsilon; T-cell surface antigen T3/Leu-4 epsilon chain; T-cell antigen receptor complex, epsilon subunit of T3; T3E; TCRE; FLJ18683;

Gene ID

916

mRNA Refseq

NM_000733

Protein Refseq

NP_000724

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UniProt ID

P07766

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