

Active Recombinant Human CD3E & CD3G protein, hFc-Avi-tagged, Biotinylated, Low Endotoxin

Cat. No. CD3E & CD3G-793HB **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CD3E & CD3G protein(P07766(CD3E) & P09693(CD3G))(23-126 aa(CD3E) & 23-116 aa(CD3G)), fused with C-terminal hFc and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	23-126 aa(CD3E) & 23-116 aa(CD3G)
Conjugation/Label	Biotin
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human CD3E&CD3G, hFc Tag at 1µg/ml (100µl/Well) on streptavidin (5µg/ml) precoated plate. Dose response curve for OKT3, mFc Tag with the EC50 of 30.3ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 40 kDa (CD3E) and 36.5 kDa (CD3G). Due to glycosylation, the protein migrates to 48-55 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.

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Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Reconstitution	Dissolve the lyophilized protein in distilled water.
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
UniProt ID	P07766
Gene Name 2	CD3G CD3g molecule, gamma (CD3-TCR complex) [Homo sapiens]
Official Symbol 2	CD3G

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Synonyms 2 CD3G; CD3g molecule, gamma (CD3-TCR complex); CD3g antigen, gamma polypeptide (TiT3 complex); T-cell surface glycoprotein CD3 gamma chain; T-cell receptor T3 gamma chain; CD3g molecule, epsilon (CD3-TCR complex); T-cell antigen receptor complex, gamma subunit of T3; T3G; CD3-GAMMA; FLJ17620; FLJ17664; FLJ79544; FLJ94613; MGC138597;

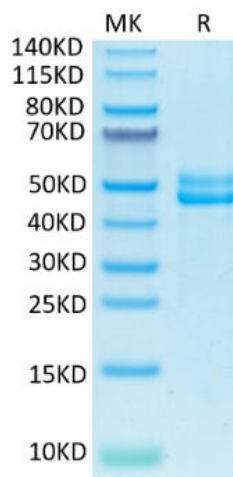
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mRNA Refseq 2 NM_000073

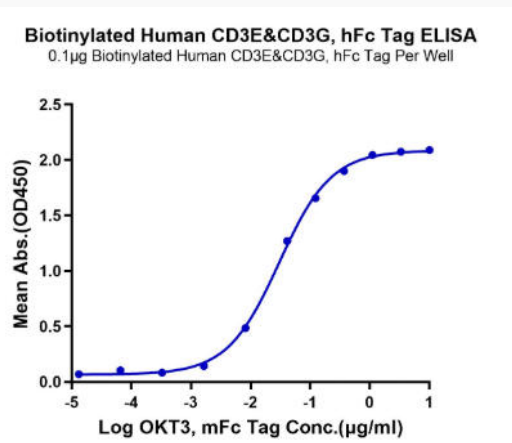
Protein Refseq 2 NP_000064

UniProt ID 2 P09693

Bis-Tris PAGE



ELISA Data



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