

Active Recombinant Human CD3E&CD3G protein(Primary Amine Labeling), His-tagged, Biotinylated

Cat. No. CD3E & CD3G-3974H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CD3E&CD3G protein(Primary Amine Labeling)(P07766(CD3E)&P09693(CD3G))(Asp23-Asp126 (CD3E) and Gln23-Ser116 (CD3G)) is expressed from HEK293 with His tag at the C-Terminus of CD3G.
Species	Human
Source	HEK293
ProteinLength	23-126 aa(CD3E) & 23-116 aa(CD3G)
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
Bio-activity	Immobilized Biotinylated Human CD3E&CD3G, His Tag at 2µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Anti-CD3 Antibody, mFc Tag with the EC50 of 64.5ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 17.9 kDa (CD3E) and 17.9 kDa (CD3G). Due to glycosylation, the protein migrates to 25-40 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
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

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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

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

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antigen receptor complex, gamma subunit of T3; T3G; CD3-GAMMA; FLJ17620;
FLJ17664; FLJ79544; FLJ94613; MGC138597;

Gene ID 2 917

mRNA Refseq 2 NM_000073

Protein Refseq 2 NP_000064

UniProt ID 2 P09693

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