

Recombinant Rat CD3E & CD3G protein, His-Avi&Flag-tagged, Biotinylated

Cat. No. CD3E & CD3G-3032R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Rat CD3E&CD3G protein(Gln 21-Asp 103 (CD3E) & Gln 23-Ser 116 (CD3G)), fused with His-Avi and Flag tag, was expressed in HEK293.
Species	Rat
Source	HEK293
ProteinLength	Gln 21-Asp 103 (CD3E) & Gln 23-Ser 116 (CD3G)
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Molecular Mass	Biotinylated Rat CD3E&CD3G Heterodimer Protein, His,Avitag&Flag Tag is produced by co-expression of CD3E and CD3G, has a calculated MW of 16.7 kDa (CD3E) and 15.7 kDa (CD3G). Subunit CD3E carries a polyhistidine tag at the C-terminus, followed by an Avi tag and subunit CD3G is fused with a flag tag at the C-terminus. As a result of glycosylation, the protein migrates as 22-25 kDa under reducing (R) condition, and 40-45 kDa under non-reducing (NR) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>90% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or

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

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lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C 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 CD3 molecule, epsilon [*Rattus norvegicus*]

Official Symbol

CD3E

Synonyms

CD3E; CD3 molecule, epsilon; T-cell surface glycoprotein CD3 epsilon chain; CD3 antigen, epsilon polypeptide; CD3 molecule, epsilon polypeptide;

Gene ID

315609

mRNA Refseq

NM_001108140

Protein Refseq

NP_001101610

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