

Recombinant Human CD3D & CD3E Heterotrimer Protein (Met1-Ala105 & Met1-Asp126), His-Flag-tagged, Biotinylated

Cat. No. CC-1083H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD3D & CD3E Heterotrimer Protein (P04234)(Met1-Ala105) & (P07766)(Met1-Asp126) was produced by HEK293 Cells expression system. The CD3D protein was fused with a flag tag at the C-terminus, constructed the plasmid 1. The CD3E protein was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the human CD3D/CD3E heterodimer was purified. The purified protein was biotinylated in vitro.
Species	Human
Source	HEK293
ProteinLength	Met1-Ala105 & Met1-Asp126
Predicted N Terminal	Phe 22 & Asp 23
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human CD3D&CD3E consists of 272 (126+146) amino acids and predicts a molecular mass of 31.2 (14.4+16.8)KDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.
Conjugation	Biotin

GENE INFORMATION

Gene Name	CD3D CD3d molecule, delta (CD3-TCR complex) [Homo sapiens] & CD3E CD3e molecule, epsilon (CD3-TCR complex) [Homo sapiens]
Official Symbol	CD3D & CD3E
Synonyms	CD3D; CD3 delta; OKT3, delta chain; T3D; CD3-DELTA & CD3E; T3E; TCRC; FLJ18683;
Gene ID	915 & 916
mRNA Refseq	NM_000732 & NM_000733
Protein Refseq	NP_000723 & NP_000724

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MIM	186790
UniProt ID	P04234 & P07766