

Recombinant Mouse CD3D Protein, Fc-tagged

Cat. No. CD3D-865M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse CD3D (P04235) (Met1-Ala105) was expressed, fused with the Fc region of human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-105 a.a.
Predicted N Terminal	Phe 22
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant mouse CD3D/Fc is a disulfide-linked homodimer. The reduced monomer comprises 325 amino acids and has a predicted molecular mass of 36.4 kDa. The apparent molecular mass of the protein is approximately 44-48 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be

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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 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name Cd3d CD3 antigen, delta polypeptide [*Mus musculus*]

Official Symbol CD3D

Synonyms CD3D; CD3 antigen, delta polypeptide; T-cell surface glycoprotein CD3 delta chain; T-cell receptor T3 delta chain; T3d;

Gene ID 12500

mRNA Refseq NM_013487

Protein Refseq NP_038515

MIM

UniProt ID

Pathway Adaptive Immune System, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Costimulation by the CD28 family, organism-specific biosystem; Dow

Function protein binding; protein heterodimerization activity; receptor activity; transmembrane signaling receptor activity;

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