

Active Recombinant Human CD226 Protein, Fc & Avi-tagged, Biotinylated

Cat. No. CD226-636H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human CD226 Protein (Glu 19 - Asn 247) (NP_006557), fused with a human IgG1 Fc tag at the C-terminus, followed by a Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Glu 19 - Asn 247
Predicted N Terminal	Glu 19
Form	Lyophilized from sterile PBS, pH7.4 , 10% trehalose.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human CD155, Fc Tag at 2µg/mL (100 µL/well) can bind Biotinylated Human DNAM-1, Fc Tag with a linear range of 0.31-1.25 µg/mL.
Molecular Mass	Recombinant Human CD226 Protein has a calculated MW of 54.4 kDa. The protein migrates as 66-100 kDa on a SDS-PAGE gel under reducing (R) condition due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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

GENE INFORMATION

Gene Name	CD226 CD226 molecule [Homo sapiens]
Official Symbol	CD226
Synonyms	CD226; CD226 molecule; CD226 antigen; DNAM 1; DNAM1; PTA1; TLISA1; adhesion glycoprotein; DNAX accessory molecule 1; DNAX accessory molecule-1; platelet and T cell activation antigen 1; T lineage-specific activation antigen 1 antigen; DNAM-1;
Gene ID	10666
mRNA Refseq	NM_006566
Protein Refseq	NP_006557
MIM	605397

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UniProt ID	Q15762
Chromosome Location	18q22.3
Pathway	Adaptive Immune System, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Immune System, organism-specific biosystem; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell, organism-specific biosystem;
Function	cell adhesion molecule binding; integrin binding; protein binding; protein kinase binding; receptor activity;

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