

Active Recombinant Human CD226 Protein, Fc-His-tagged

Cat. No. CD226-23H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CD226 Protein(NP_006557.2)(Met 1-Asn 247) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-247 aa
Form	Lyophilized from sterile PBS, pH 7.4.
Bio-activity	Measured by its binding ability in a functional ELISA. 1. Immobilized CD112-his at 20 µg/ml (100 µl/well) can bind biotinylated DNAM1 with a linear range of 0.078-2.5 µg/ml. 2. Immobilized CD112-Fc at 20 µg/ml (100 µl/well) can bind biotinylated DNAM1 with a linear range of 0.078-5 µg/ml. 3. Immobilized human CD155 at 20 µg/ml (100 µl/well) can bind human DNAM1 Fc chimera with a linear ranger of 1.28-160 ng/ml.
Molecular Mass	The recombinant human DNAM1/Fc is a disulfide-linked homodimer. The reduced monomer consists of 477 amino acids and has a predicted molecular mass of 54 kDa. As a result of glycosylation, the apparent molecular mass of rh DNAM1/Fc monomer is approximately 80-90 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per

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	µg protein as determined by the LAL method.
Purity	> 97 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities 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.

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
UniProt ID	Q15762

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SDS-PAGE



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