

Active Recombinant Human CD2 protein, His-tagged

Cat. No. CD2 -2192H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD2 protein(NP_001758.2)(Met1-Asp209), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Asp209
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Human CD2 His at 2 µg/ml (100 µl/well) can bind Human CD58 hFc, the EC50 of Human CD58 hFc is 7.0-28.0 ng/mL.
Molecular Mass	The recombinant human CD2 consists of 196 amino acids and has a predicted molecular mass of 22.7 kDa. In SDS-PAGE under reducing conditions, rhCD2 migrates as an approximately 37 kDa band due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 97 % as determined by SDS-PAGE

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C
Store it under sterile conditions at -20°C to -80°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.

GENE INFORMATION

Gene Name CD2 CD2 molecule [Homo sapiens]

Official Symbol CD2

Synonyms CD2; CD2 molecule; CD2 antigen (p50), sheep red blood cell receptor , SRBC; T-cell surface antigen CD2; LFA-3 receptor; rosette receptor; erythrocyte receptor; lymphocyte-function antigen-2; T-cell surface antigen T11/Leu-5; CD2 antigen (p50), sheep red blood cell receptor; T11; SRBC; LFA-2; FLJ46032;

Gene ID 914

mRNA Refseq NM_001767

Protein Refseq NP_001758

MIM 186990

UniProt ID P06729

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