

Active Recombinant Human CD4 protein, His-tagged

Cat. No. CD4-2172H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD4 protein(NP_000607.1)(Met1-Trp390), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Trp390
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 the ability of the immobilized protein to support the adhesion of NIH-3T3 mouse embryonic fibroblast cells.When cells are added to CD4-coated plates (0.8 µg/mL, 100 µL/well), approximately >40% will adhere specifically.
Molecular Mass	The recombinant human CD4 consists of 376 amino acids and has a predicted molecular mass of 42.2 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCD4 is approximately 46 kDa due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % 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 CD4 CD4 molecule [Homo sapiens]

Official Symbol CD4

Synonyms CD4; CD4 molecule; CD4 antigen (p55) , T cell surface glycoprotein CD4; T-cell surface glycoprotein CD4; CD4 receptor; CD4 antigen (p55); T-cell surface antigen T4/Leu-3; CD4mut;

Gene ID 920

mRNA Refseq NM_000616

Protein Refseq NP_000607

MIM 186940

UniProt ID P01730

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