

Active Recombinant Human CD4 protein, hFc-tagged

Cat. No. CD4-016H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD4 protein(NP_000607.1)(Met1-Trp390), fused with hFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Trp390
Form	Lyophilized from sterile PBS, pH 7.4. Please 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 5×10^4 cells/well are added to CD4-Fc-coated plates (1.25 µg/mL, 100 µL/well), approximately 20%-50% cells will adhere after 30 minutes at 37°C.
Molecular Mass	The recombinant human CD4 consists of 603 amino acids and predicts a molecular mass of 67.4 kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % 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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