

Active Recombinant Human CD7 protein, hFc-tagged(VLPs)

Cat. No. CD7-2146H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD7 protein(NP_006128.1) (Met1-Pro180) was expressed in HEK293, fused with the Fc region of human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Pro180
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized Recombinant Human SECTM1 / K12 Protein (His Tag) at 2 µg/mL (100 µL/well) can bind Recombinant Human CD7 Protein (ECD, Fc Tag), the EC50 is 6.0-18.0 ng/mL.
Molecular Mass	The recombinant human CD7 consists of 393 amino acids and predicts a molecular mass of 43.16 kDa. It migrates as an approximately 54.73 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE. > 90 % as determined by SEC-HPLC.

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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 to reconstitute the lyophilized powder in sterile water to 100-200 ug/ml, and further dilute with other solvents. The dissolved protein can be stored at 4°C for 2-7 days and should be used up as soon as possible. If not in use for a short time, please store at -20°C.

GENE INFORMATION

Gene Name CD7 CD7 molecule [Homo sapiens]

Official Symbol CD7

Synonyms CD7; CD7 molecule; CD7 antigen (p41); T-cell antigen CD7; GP40; LEU 9; p41 protein; T cell antigen CD7; T cell leukemia antigen; Tp40; TP41; T-cell leukemia antigen; T-cell surface antigen Leu-9; LEU-9;

Gene ID 924

mRNA Refseq NM_006137

Protein Refseq NP_006128

MIM 186820

UniProt ID P09564

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