

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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