

Active Recombinant Human CD7 protein, IFc-tagged

Cat. No. CD7-3010H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD7 protein(Ala 26-Pro 180), fused with IFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Ala 26-Pro 180
Form	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human CD7, Llama IgG2b Fc Tag, low endotoxin at 5 µg/mL (100 µL/well) can bind Human SECTM1, His Tag with a linear range of 10-39 ng/mL. Please note that there may be a cross-reaction between anti-human IgG Fc antibodies and llama IgG Fc tag, also between anti-llama IgG Fc antibodies and human IgG Fc tag.
Molecular Mass	This protein carries a llama IgG2b Fc tag at the N-terminus. The protein has a calculated MW of 44.3 kDa. The protein migrates as 55-60 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

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 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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