

Active Recombinant Human CD84, Fc-tagged, Biotinylated

Cat. No. CD84-685H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The recombinant human SLAMF5-Fc fusion protein is expressed as a 431-amino acid protein consisting of Lys22 - Gly225 region of SLAMF5 (UniProt accession #Q9UIB8) and a C-terminal Fc from human IgG1, which exists as a dimer under non-reducing conditions.
Species	Human
Source	Human Cells
ProteinLength	22-225 a.a.
Form	Supplied at 0.5 mg/ml in sterile PBS pH7.4 (carrier & preservative free). The purified recombinant protein was labeled with Biotin (3-5 Biotin per molecule).
Bio-activity	Immobilized SLAMF5 interacts homophilically with SLAMF5 in a functional ELISA and enhances the proliferation of PHA-stimulated T cells in the presence of anti-CD3e antibody
Molecular Mass	Calculated molecular mass (kDa): 48.2; Estimated by SDS-PAGE under reducing condition (kDa): 65-75
AA Sequence	KDSEIFTVNGILGESVTFPVNIQEPQVKIIAWTSKTSVAYVTPGDSETAPVVTVTHRN YYERIHALGPNYNLVI SDLRMEDAGDYKADINTQADPYTTTKRYNLQIYRRLGKPKIT QSLMASVNSTCNVTLTCSVEKEEKNVTYNWSP LGEEGNVLQIFQTPEDQELTYTCT AQNPNVSNNSDSISARQLCADIAMGFRTHHTGSTGHTTCPPCPAPPELLGGP SVFLFP

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PKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEVHNAKTKPREEQYNSTY
RVVSVLTVLHQD WLNGKEYKCKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRE
EMTKNQVSLTCLVKGFYPSDIAVEWESNGQ PENNYKTTTPVLDSGDSFFLYSKLTV
DKSRWQQGNVFSCSVMHEALHNHYTQKSLSLSPGK

Endotoxin <0.1 eu per 1 µg of purified recombinant protein determined by the lal>

Purity >95% judged by SDS-PAGE under reducing condition

Storage The product is shipped at 4°C. Upon receipt, centrifuge the product briefly before opening the vial. It is recommended to store small aliquots at the temperature below -20°C for long-term storage and the product is stable for 3 months. The undiluted protein can be stored at 4°C for no more than 2 weeks. Avoid repeated freeze-thaw cycles.

Conjugation Biotin

GENE INFORMATION

Gene Name CD84 CD84 molecule [Homo sapiens]

Official Symbol CD84

Synonyms CD84; CD84 molecule; CD84 antigen (leukocyte antigen) , CD84 molecule; SLAM family member 5; hCD84; mCD84; SLAMF5; hly9-beta; leukocyte antigen CD84; cell surface antigen MAX.3; CD84 antigen (leukocyte antigen); leucocyte differentiation antigen CD84; leukocyte differentiation antigen CD84; signaling lymphocytic activation molecule 5; LY9B; DKFZp781E2378;

Gene ID 8832

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mRNA Refseq	NM_001184879
Protein Refseq	NP_001171808
MIM	604513
UniProt ID	Q9UIB8
Chromosome Location	1q24
Pathway	Cell surface interactions at the vascular wall, organism-specific biosystem; Hemostasis, organism-specific biosystem;
Function	receptor activity;

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