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Product datasheet for TP728062

CD84 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Biotinylated Human SLAMF5 (C-6His-Avi)
Species:	Human
Expression cDNA Clone or AA Sequence:	Lys22-Arg220
Tag:	C-6His-Avi
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
Note:	Biotinylated Recombinant Human SLAM Family Member 5 is produced by our Mammalian expression system and the target gene encoding Lys22-Arg220 is expressed with a 6His, Avi tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	8832
UniProt ID:	Q9UIB8
Synonyms:	SLAM family member 5; Cell surface antigen MAX.3; Hly9-beta; Leukocyte differentiation antigen CD84; Signaling lymphocytic activation molecule 5; CD84; SLAMF5
Summary:	SLAM family member 5 (SLAMF5/CD84) is a type I transmembrane protein in the SLAM subgroup of the CD2 family. SLAM family proteins regulate multiple aspects of immune system function. Mature human CD84 consists of a 204 amino acid (aa) extracellular domain (ECD) with two Iglike domains,a 21 aa transmembrane segment, and a 99 aa cytoplasmic domain with two immunoreceptor tyrosinebased switch motifs (ITSMs). CD84 exhibits homophilic binding which is mediated by the N-terminal Ig-like domain. Ligation induces tyrosine phosphorylation in the cytoplasmic ITSMs which then recruit the signaling adaptor molecules SAP (SLAM-associated protein) and EAT-2(EWS/Fli1-activated transcript 2).CD84 signaling inhibits Fc epsilon RI-induced mast cell activation but enhances platelet activation. LPS-induced macrophage activation,T cell proliferation and IFN-Î³production, and the interactions between T cells and B cells that are required for germinal center formation.

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Protein Families: Druggable Genome, Transmembrane