


## Human CD84/SLAMF5 protein, His tag (Animal-Free)

Cat #: PRP2037

Size: 10 µg/ 50 µg/100 µg/1 mg

### Product Information

	<b>Product Name:</b> Human CD84/SLAMF5 protein, His tag (Animal-Free)		
<b>REF</b>	<b>Catalog Number:</b> PRP2037	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Purity:</b> >95% as determined by SDS-PAGE		
	<b>Storage:</b> Store at -20C		<b>Preparation method:</b> HEK 293 Cells
	<b>Shipping:</b> The product is shipped at ambient temperature.		

**Background:** CD84 (SLAMF5) is a member of the SLAM family of cell-surface immunoreceptors. Its cytoplasmic tail binds to Src homology 2 domain-containing protein 1A (signaling lymphocytic activation molecule-associated protein), a protein encoded by the X-linked lymphoproliferative disease gene. Broadly expressed on most immune cell subsets, CD84 functions as a homophilic adhesion molecule, whose signaling can activate or inhibit leukocyte function depending on the cell type and its stage of activation or differentiation. CD84-mediated signaling regulates diverse immunological processes, including T cell cytokine secretion, natural killer cell cytotoxicity, monocyte activation, autophagy, cognate T:B interactions, and B cell tolerance at the germinal center checkpoint.

**Sequence:** Amino acid sequence derived from human CD84 protein (NP\_003865.1, Met1-Gly225) was expressed with a polyhistidine tag at the C-terminus.

**Protein length:** The recombinant human CD84 protein consists of 214 amino acids and predicts a molecular mass of 24 kD. The apparent molecular mass of the human CD84 is approximately 40-53 kDa in SDS-PAGE under reducing conditions due to glycosylation.

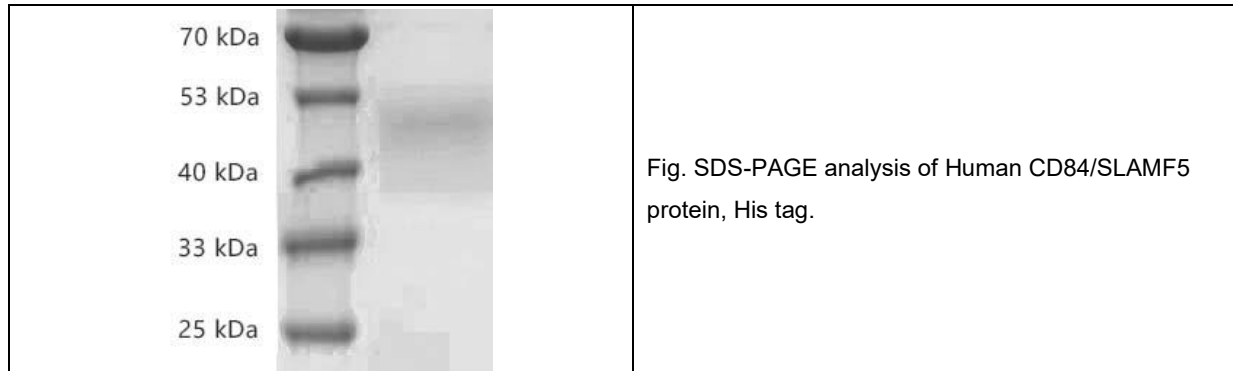
**Biological Activity:** Testing in progress.

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Formulation:** Lyophilized from sterile PBS, pH 7.4.

**Storage Instructions:** Lyophilized human CD84 protein product should be stored desiccated below -18°C. Upon reconstitution, the protein should be stored at 4°C between 2 -7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage notes:** Always centrifuge tubes before opening. It is recommended to reconstitute the lyophilized human CD84 protein in the buffer which we provide not less than 100 µg/mL, which can then be further diluted to other aqueous solutions.



**Note:** The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.