

# Recombinant human CD84/SLAMF5 protein

Catalog Number: ATGP3548

## PRODUCT INFORMATION

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### Expression system

Baculovirus

### Domain

22-225aa

### UniProt No.

Q9UIB8

### NCBI Accession No.

NP\_001171808.1

### Alternative Names

SLAM family member 5 isoform 1, CD84, hCD84, LY9B, mCD84, SLAMF5

## PRODUCT SPECIFICATION

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### Molecular Weight

23.8 kDa (213aa)

### Concentration

0.5mg/ml (determined by absorbance at 280nm)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

CD84, also known as slam family member 5 isoform 1, is a self-binding receptor from the CD150 family that is broadly expressed in hematopoietic cells. It is highly expressed in mast cells and that it contributes to the regulation of FCER1 signaling in SAP- and EAT-2-independent and Fes- and Src homology region 2 domain-containing phosphatase-1-dependent mechanisms. It belongs to the signaling lymphocyte activating molecule

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family of immunoreceptors, and has an unknown function in CLL cells. Its expression is significantly elevated from the early stages of the disease, and is regulated by macrophage migration inhibitory factor and its receptor, CD74. Recombinant human CD84, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

## Amino acid Sequence

<ADP>KDSEIFT VNGILGESVT FPNVIQEP RQ VKIIAWTSKT SVAYVTPGDS ETAPVVTVTH RNYIERIHAL GPNYNLVISD  
LRMEDAGDYK ADINTQADPY TTTKRYNLQI YRRLGKPKIT QSLMASVNST CNVTLTCSVE KEEKNVTYNW SPLGEEGNVL  
QIFQTPEDQE LTYTCTAQN PVSNNSDSISA RQLCADIAMG FRTHHTG<HHH HHH>

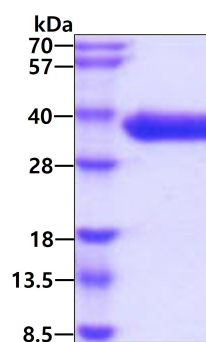
## General References

Binsky-Ehrenreich I., et al. (2014) *Oncogene*. 33:1006-1016.

Alvarez-Errico D., et al. (2011) *J Immunol*. 187:5577-5586.

## DATA

### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.