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# Recombinant human CD84/SLAMF5 protein

Catalog Number: ATGP3548

#### PRODUCT INFORMATION

### **Expression system**

Baculovirus

#### **Domain**

22-225aa

#### UniProt No.

**09UIB8** 

#### **NCBI Accession No.**

NP 001171808.1

#### **Alternative Names**

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

### PRODUCT SPECIFICATION

#### **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**

#### **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**

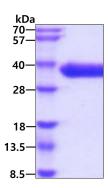
<ADP>KDSEIFT VNGILGESVT FPVNIQEPRQ VKIIAWTSKT SVAYVTPGDS ETAPVVTVTH RNYYERIHAL GPNYNLVISD LRMEDAGDYK ADINTQADPY TTTKRYNLQI YRRLGKPKIT QSLMASVNST CNVTLTCSVE KEEKNVTYNW SPLGEEGNVL QIFQTPEDQE LTYTCTAQNP VSNNSDSISA RQLCADIAMG FRTHHTG

#### **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.

