Recombinant human CD84/SLAMF5 protein

Catalog Number: ATGP3548

PRODUCT INFORMATION

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

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

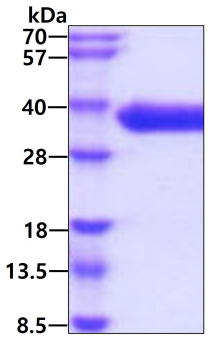
<ADP>KDSEIFT VNGILGESVT FPVNIQEPRQ VKIIAWTSKT SVAYVTPGDS ETAPVVTVTH RNYYERIHAL GPNYNLVISD LRMEDAGDYK ADINTQADPY TTTKRYNLQI YRRLGKPKIT QSLMASVNST CNVTLTCSVE KEEKNVTYNW SPLGEEGNVL QIFQTPEDQE LTYTCTAQNP VSNNSDSISA RQLCADIAMG FRTHHTG<HHH HHH>

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.