Recombinant human JAM-C protein

Catalog Number: ATGP1723

PRODUCT INFORMATION

Expression system
E.coli

Domain
32-241aa

UniProt No.
Q9BX67

NCBI Accession No.
NP_116190

Alternative Names
Junctional adhesion molecule C, Junctional adhesion molecule 3, JAM-C, JAMC

PRODUCT SPECIFICATION

Molecular Weight
26 kDa (234aa) confirmed by MALDI-TOF

Concentration
0.25mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM EDTA, 5mM DTT

Purity
> 90% by SDS-PAGE

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
Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. JAM3 is localized in the tight junctions between high endothelial cells. unlike other proteins in this family, this protein is unable to adhere to leukocyte cell lines and only forms weak homotypic interactions. JAM3 is a member of the junctional adhesion molecule protein family and acts as a receptor for another member of this family. Recombinant human JAM3 protein, fused to His-tag at N-terminus,

was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

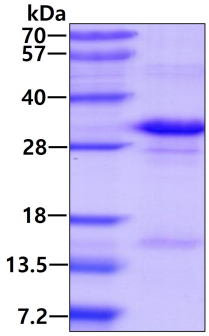
<MGSSHHHHHH SSGLVPRGSH MGSM>VNLKSS NRTPVVQEFE SVELSCIITD SQTSDPRIEW KKIQDEQTTY VFFDNKIQGD LAGRAEILGK TSLKIWNVTR RDSALYRCEV VARNDRKEID EIVIELTVQV KPVTPVCRVP KAVPVGKMAT LHCQESEGHP RPHYSWYRND VPLPTDSRAN PRFRNSSFHL NSETGTLVFT AVHKDDSGQY YCIASNDAGS ARCEEQEMEV YDLN

General References

Santoso S., et al. (2002). J Exp Med. 2
196(5):679-91.

DATA

SDS-PAGE



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