Recombinant human JAM-B/VE-JAM protein

Catalog Number: ATGP1874

PRODUCT INFORMATION

Expression system
E.coli

Domain
21-238aa

UniProt No.
P57087

NCBI Accession No.
NP_067042

Alternative Names
Junctional adhesion molecule B, C21orf43, CD322, JAM-B, JAMB, PRO245, VE-JAM, VEJAM

PRODUCT SPECIFICATION

Molecular Weight
26.7 kDa (241aa)

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE,Denatured

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
JAM2, also known as CD322, belongs to the immunoglobulin superfamily, and the junctional adhesion molecule (JAM) family. JAM2 is a type I membrane protein that is localized at the tight junctions of both epithelial and endothelial cells. It acts as an adhesive ligand for interacting with a variety of immune cell types, and may play a role in lymphocyte homing to secondary lymphoid organs. Recombinant human JAM2 protein, fused to His-tag at N-terminus, was expressed in E. coli

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Amino acid Sequence

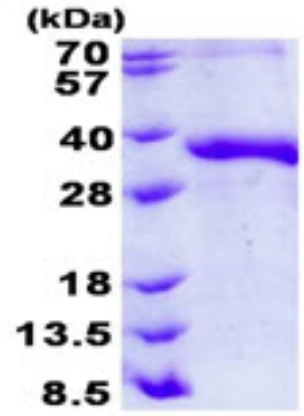
MGSSHHHHHH SSGLVPRGSH MGSLGYHKAY GFSAPKDQQV VTAVEYQEAI LACKTPKKTV SSRLEWKKLG RSVSFVYYQQ TLQGDFKNRA EMIDFNIRIK NVTRSDAGKY RCEVSAPSEQ GQNLEEDTVT LEVLVAPAVP SCEVPSSALS GTVVELRCQD KEGNPAPEYT WFKDGIRLLE NPRLGSQSTN SSYTMNTKTG TLQFNTVSKL DTGEYSCEAR NSVGYRRCPG KRMQVDDLNI S

General References

Zhang Z., et al. (2004) Protein Sci. 13:2819-2824
Liu T., et al. (2005) J. Proteome Res. 4:2070-2080

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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