

For Research Use Only

Recombinant Human JAM2 protein (mFc Tag) (HPLC verified)



Catalog Number: Eg4040

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Tag:
mFc Tag

Technical Specifications

Purity:
>90 %, SDS-PAGE
>90 %, SEC-HPLC

Endotoxin Level:
<0.1 EU/μg protein, LAL method

Source:
HEK293-derived Human JAM2 protein Phe29-Asn236 (Accession# P57087-1) with a mouse IgG Fc tag at the C-terminus.

GeneID:
58494

Accession:
P57087-1

Predicted Molecular Mass:
49.9 kDa

SDS-PAGE:
52-65 kDa, reducing (R) conditions

Formulation:
Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

Junctional adhesion molecules (JAMs) are integral membrane proteins belonging to the immunoglobulin (Ig) superfamily. JAMs are expressed by leukocytes, platelets, endothelial, and epithelial cells and localized at the tight junction of polarized cells and on the cell surface of leukocytes. JAM-2, also known as VE-JAM or JAM-B, is specifically expressed in lymphatic endothelial cells and endothelial venules. JAM2 regulates cell-cell adhesion and signaling by interacting with other tight junction proteins such as PAR-3 and ZO-1.

References

1. Ebnet K, et al. (2004). J Cell Sci. 1;117(Pt 1):19-29.
2. Garrido-Urbani S, et al. (2014). Cell Tissue Res. 355(3):701-15.
3. Aurrand-Lions M, et al. (2001). Blood. 15;98(13):3699-707.
4. Ebnet K, et al. (2003). J Cell Sci. 1;116(Pt 19):3879-91.

Synonyms

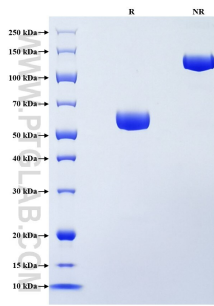
C21orf43, CD322, JAM-2, JAMB, JAM-B

For technical support and original validation data for this product please contact

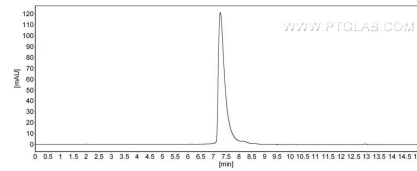
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Purity of Recombinant Human JAM2 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.



The purity of Human JAM2 was greater than 90% as determined by SEC-HPLC.