

Recombinant Human JAM-B/CD322 Protein (Fc Tag)

Catalog No. PKSH032663

Note: Centrifuge before opening to ensure complete recovery of vial contents.

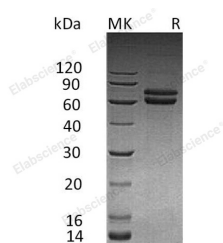
Description

Synonyms	Junctional Adhesion Molecule B;JAM-B;Junctional Adhesion Molecule 2;JAM-2;Vascular Endothelial Junction-Associated Molecule;VE-JAM;CD322;JAM2;C21orf43;VEJAM
Species	Human
Expression Host	HEK293 Cells
Sequence	Phe29-Asn236
Accession	P57087
Calculated Molecular Weight	50.4 kDa
Observed molecular weight	60-75 kDa
Tag	C-Fc
Bioactivity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

For Research Use Only

Junctional Adhesion Molecule B (JAM-B) is a single-pass type I membrane protein that belongs to the junctional adhesion molecules family. JAM-B includes a signal sequence (aa 1-28); an extracellular region (aa 29-238) with one Ig-like C2-type domain and one Ig-like V-type domain; a transmembrane segment (aa 239-259); and a cytoplasmic domain (aa 260 - 298). JAMB is localized to the tight junctions between endothelial cells or epithelial cells. JAM-B is prominently expressed in the heart; placenta; lung; foreskin and lymph node. It is also present on the endothelia of other vessels. JAM-B 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.