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**Product Data Sheet**


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Product Name: JAM2 Human, Sf9

Cat. No.: GP23721

Batch No.: 1

**Product Data**

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.

Synonyms Junctional Adhesion Molecule 2; Vascular Endothelial Junction-Associated Molecule; C21orf43; VE-JAM; JAM-2; JAM-B; VEJAM; Junctional Adhesion Molecule B; JAM-IT/VE-JAM; CD322 Antigen; PRO245; CD322; JAMB; Junctional adhesion molecule B.

Amino Acid Sequence  
 ADPFSAPKDQ QVVTAVEYQE AILACKTPKK TVSSRLEWKK LGRSVSFVYY  
 QQTLQGDFKN RAEMIDFNIR IKNVTRSDAG KYRCEVSAPS EQGQNLEEDT  
 VTLEVLVAPA VPSCEVPSSA LSGTVVELRC QDKEGNPAPE YTWFKDGIRL  
 LENPRLGSQS TNSSYTMNTK TGTLQFNTVS KLDTGEYSCE ARNSVGYRRC  
 PGKRMQVDDL NISLEPKSCD KTHTCPKCPA PELLGGPSVF LFPPKPKDTL  
 MISRTPEVTC VVDVSHEDP EVKFNWYVDG VEVHNAKTKP REEQYNSTYR  
 VVSVLTVLHQ DWLNGKEYKC KVSNAKALPAP IEKTISKAKG QPREPQVYTL  
 PPSRDELTKNQVSLTCLVKG FYPSDIAVEW ESNGQPENNY KTTTPVLDS  
 GSFFLYSKLT VDKSRWQQGN VFSCSVMHEA LHNHYTQKSL SLSPGKHHHH  
 HH.

Formulation JAM2 protein solution (0.5mg/ml) contains 50% glycerol, 1mM DTT & Phosphate Buffered Saline (pH 7.4).

**Introduction**

Junctional Adhesion Molecule 2 (JAM2) is a member of the immunoglobulin superfamily, and the junctional adhesion molecule (JAM) family. JAM2 is a type I membrane protein which is localized at the tight junctions of both epithelial and endothelial cells. JAM2 functions as an adhesive ligand for interacting with various immune cell types, and may have a role in lymphocyte homing to secondary lymphoid organs.

**Stability**

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

**Caution: Product has not been fully validated for medical applications. For research use only.**

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periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

### Background

JAM2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 452 amino acids (29-238a.a.) and having a molecular mass of 50.7kDa. (Molecular size on SDS-PAGE will appear at approximately 50-70kDa). JAM2 is expressed with a 239 amino acid hIgG-His-tag at C-Terminus and purified by proprietary chromatographic techniques.

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