

Product datasheet for **SC332925**

Junctional Adhesion Molecule 2 (JAM2) (NM_001270408) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Junctional Adhesion Molecule 2 (JAM2) (NM_001270408) Human Untagged Clone
Tag:	Tag Free
Symbol:	Junctional Adhesion Molecule 2
Synonyms:	C21orf43; CD322; IBGC8; JAM-B; JAMB; PRO245; VE-JAM; VEJAM
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC332925 representing NM_001270408. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGAGGAGGAGCCGCCACCGCCTCCTCCTGCTGCTGCTGCGCTACCTGGTGGTCGCCCTGGGCTAT
CATAAGGCCTATGGGTTTCTGCCCCAAAAGACCAACAAGTAGTCACAGCAGTAGAGTACCAAGAGGCT
ATTTTAGCCTGCAAAACCCCAAAGAAGACTGTTTCCTCCAGATTAGAGTGGAAAGAACTGGGTCGGAGT
GTCTCCTTTGTCTACTATCAACAGACTCTTCAAGGTGATTTTAAAAATCGAGCTGAGATGATAGATTTT
AATATCCGGATCAAAAATGTGACAAGAAGTGATCGGGGAAATATCGTTGTGAAGTTAGTGCCCATCT
GAGCAAGGCCAAAACCTGGAAGAGGATACAGTCACTCTGGAAGTATTAGTGGCTCCAGCAGTTCCATCA
TGTGAAGTACCCTCTTCTGCTCTGAGTGGAACTGTGGTAGAGCTACGATGTCAAGACAAAAGAGGGAAT
CCAGCTCCTGAATACACATGGTTTAAGGATGGCATCCGTTTGCTAGAAAATCCCAGACTTGGCTCCCAA
AGCACCAACAGCTCATACACAATGAATACAAAACCTGGAAGTCTGCAATTTAATACTGTTTCCAACTG
GACTGGAGAATATTCTGTGAAGCCGCAATTTCTGTTGGATATCGCAGGTGCTCCTGGGAAACGAATG
CAAGTAGATGATCTCAACATAAGTGGCATCATAGCAGCCGTAGTAGTTGTGGCCTTAGTGATTTCCGTT
TGTGGCCTTGGTGTATGCTATGCTCAGAGGAAAGGCTACTTTTCAAAGAAACCTCCTCCAGAAGAGT
AATTCTTCATCTAAAGCCACGACAATGAGTGAAAATGTGCAGTGGCTCACGCCTGTAATCCCAGCACTT
TGAAGGCCGCGCGGGCGGATCACGAGGTCAGGAGTTCTAG
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001270408
Insert Size:	939 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001270408.1](#)

RefSeq Size: 1747 bp

RefSeq ORF: 939 bp

Locus ID: 58494

UniProt ID: [P57087](#)

Cytogenetics: 21q21.3

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Cell adhesion molecules (CAMs), Epithelial cell signaling in Helicobacter pylori infection, Leukocyte transendothelial migration, Tight junction

MW: 34.6 kDa

Gene Summary: This gene belongs to the immunoglobulin superfamily, and the junctional adhesion molecule (JAM) family. The protein encoded by this gene 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. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2012]

Transcript Variant: This variant (3) contains an alternate 3' terminal exon compared to variant 1, which results in a frame-shift, and a longer isoform (3) with a distinct C-terminus compared to isoform 1.