

Product datasheet for **SC332924**

Junctional Adhesion Molecule 2 (JAM2) (NM_001270407) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Junctional Adhesion Molecule 2 (JAM2) (NM_001270407) 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:	>SC332924 representing NM_001270407. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGAGGAGGAGCCGCCACCGCCTCCTCCTGCTGCTGCTGCGCTACCTGGTGGTGCGCCCTGGGCTAT
CATAAGGCCTATGGGTTTCTGCCCAAAAGACCAACAAGTAGTCACAGCAGTAGAGTACCAAGGTGAT
TTTAAAAATCGAGCTGAGATGATAGATTCAATATCCGGATCAAAAATGTGACAAGAAGTATGCGGGG
AAATATCGTTGTGAAGTTAGTGCCCATCTGAGCAAGGCCAAAACCTGGAAGAGGATACAGTCACTCTG
GAAGTATTAGTGGCTCCAGCAGTCCATCATGTGAAGTACCCTTCTGCTCTGAGTGGAAGTGTGGTA
GAGCTACGATGTCAAGACAAAGAAGGGAATCCAGCTCCTGAATACACATGTTTAAAGGATGCCATCCGT
TTGCTAGAAAATCCAGACTTGGCTCCCAAGCACCAACAGCTCATAACAATGAATACAAAACCTGGA
ACTCTGCAATTTAATACTGTTTCCAAAACCTGGACTGGAGAATATTCCTGTGAAGCCCGCAATTCTGTT
GGATATCGCAGGTGTCCTGGGAAACGAATGCAAGTAGATCTCAACATAAGTGGCATCATAGCAGCC
GTAGTAGTTGTGGCCTTAGTGATTTCCGTTTGTGGCCTTGGTGTATGCTATGCTCAGAGGAAAGGCTAC
TTTTCAAAGAAACCTCCTTCCAGAAGAGTAATTCTTTCATCTAAAGCCACGACAATGAGTGAAAATGAT
TTCAAGCACACAAAATCCTTTATAATTAA
  
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001270407
Insert Size:	789 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).



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Reconstitution Method:	<ol style="list-style-type: none">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_001270407.1
RefSeq Size:	4249 bp
RefSeq ORF:	789 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:	29 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an in-frame coding exon compared to variant 1, which results in a shorter isoform (2) missing an internal protein segment compared to isoform 1.</p>