Datasheet for ABIN7320269

# JAM3 Protein (His tag)

1 Image

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## Overview

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|---|---|
| Quantity: | 100 µg |
| Target: | JAM3 |
| Origin: | Mouse |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This JAM3 protein is labelled with His tag. |

## Product Details

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| Purpose: | Recombinant Mouse JAM3/JAM-C Protein (His Tag) |
| Sequence: | Met 1-Asn 241 |
| Characteristics: | A DNA sequence encoding the mouse JAM3 (NP_075766.1) extracellular domain (Met 1-Asn 241) was expressed, fused with a polyhistidine tag at the C-terminus. |
| Purity: | > 94 % as determined by SDS-PAGE |
| Endotoxin Level: | < 1.0 EU per µg of the protein as determined by the LAL method. |

## Target Details

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| Target: | JAM3 |
| Alternative Name: | JAM3/JAM-C (JAM3 Products) |
| Background: | Background: Junctional Adhesion Molecule C Protein & Antibody (JAM-C, JAM3 Protein) also known as Junctional adhesion molecule 3, JAM3, is a single-pass type I membrane protein which belongs to the immunoglobulin superfamily. It is an adhesion molecule expressed by |

## Target Details

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| | endothelial cells (ECs) that plays a role in tight junction formation, leukocyte adhesion, and transendothelial migration. JAM-C is an adhesion molecule that is expressed on cells within the vascular compartment and epithelial cells and, to date, has been largely studied in the context of inflammatory events. JAM-C is also expressed in peripheral nerves and that this expression is localized to Schwann cells at junctions between adjoining myelin end loops. JAM-C is a component of the autotypic junctional attachments of Schwann cells and plays an important role in maintaining the integrity and function of myelinated peripheral nerves. JAM-C was recently shown to be a counter receptor for the leukocyte beta2-integrin Mac-1 (CD11b/CD18), thereby mediating interactions between vascular cells, particularly in inflammatory cell recruitment. JAM-C is up-regulated by oxidized low-density lipoprotein (LDL) and may thereby contribute to increased inflammatory cell recruitment during atherosclerosis. JAM-C may therefore provide a novel molecular target for antagonizing interactions between vascular cells in atherosclerosis. JAM-C was shown to undergo a heterophilic interaction with the leukocyte beta2 integrin Mac-1, thereby mediating interactions between vascular cells in inflammatory cell recruitment. JAM-C undergoes a homophilic interaction via the Arg64-Ile65-Glu66 motif on the membrane-distal Ig domain of the molecule. The homophilic interaction of JAM-C can mediate tumor cell-endothelial cell interactions and may thereby be involved in the process of tumor cell metastasis.<br>Synonym: 1110002N23Rik;JAM-3;JAM-C;Jcam3 |
| Molecular Weight: | 25 kDa |
| NCBI Accession: | NP_075766 |

## Application Details

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| Restrictions: | For Research Use only |

## Handling

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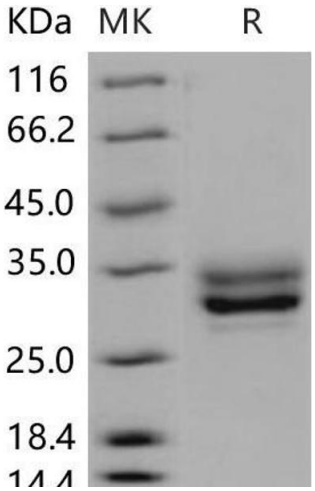
| Format: | Lyophilized |
| Reconstitution: | Please refer to the printed manual for detailed information. |
| Buffer: | Lyophilized from sterile 50 mM Tris-Citrate, 300 mM NaCl, pH 6.5 |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Generally, lyophilized proteins are stable for up to 12 months 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. |




**Western Blotting**

**Image 1.**