

Human JAML Protein

Cat. No. JAM-HM201



| Description      |                                                                                                                                     |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Source           | Recombinant Human JAML Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus.<br>It contains Leu20-Leu275.         |
| Accession        | NP_001091996.1                                                                                                                      |
| Molecular Weight | The protein has a predicted MW of 54.85 kDa. Due to glycosylation, the protein migrates to 60-80 kDa based on Bis-Tris PAGE result. |
| Endotoxin        | Less than 0.1 EU per µg by the LAL method.                                                                                          |
| Purity           | > 95% as determined by Bis-Tris PAGE<br>> 95% as determined by HPLC                                                                 |

| Formulation and Storage |                                                                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Formulation             | Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                                                                         |
| Reconstitution          | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.                                                                                             |
| Storage                 | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

**Background**

JAML (junctional adhesion molecule-like), contains 2 extracellular immunoglobulin-like domains, a transmembrane segment, and a cytoplasmic tail. JAML mRNA is expressed in hematopoietic tissues and is prominently expressed in granulocytes. The fact that JAML protein is localized at the cell plasma membrane in the areas of cell-cell contacts, whereas it is not detected at free cell borders, suggests that JAML is engaged in homophilic interactions.

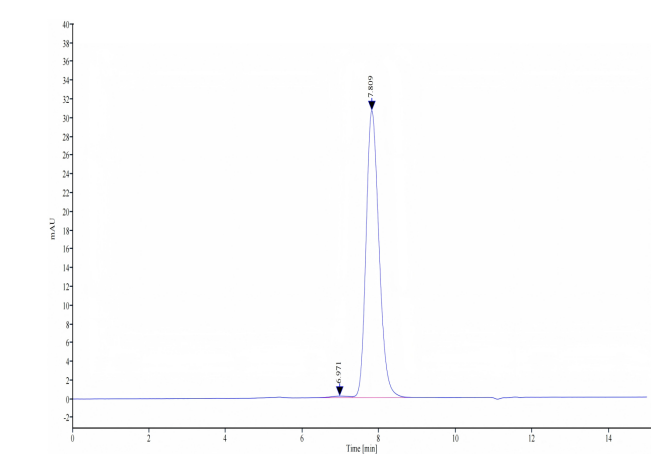
Assay Data

Bis-Tris PAGE



Human JAML on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human JAML is greater than 95% as determined by SEC-HPLC.