

Recombinant Mouse Jaml Protein, Myc/DDK-tagged

Cat. No. Jaml-3631M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length junction adhesion molecule like (Jaml), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Transmembrane protein of the plasma membrane of leukocytes that control their migration and activation through interaction with CXADR, a plasma membrane receptor found on adjacent epithelial and endothelial cells. The interaction between both receptors mediates the activation of gamma-delta T-cells, a subpopulation of T-cells residing in epithelia and involved in tissue homeostasis and repair. Upon epithelial CXADR-binding, JAML induces downstream cell signaling events in gamma-delta T-cells through PI3-kinase and MAP kinases. It results in proliferation and production of cytokines and growth factors by T-cells that in turn stimulate epithelial tissues repair. It also controls the transmigration of leukocytes within epithelial and endothelial tissues through adhesive interactions with epithelial and endothelial CXADR.
Molecular Mass	42.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Jaml junction adhesion molecule like [<i>Mus musculus</i> (house mouse)]
Official Symbol	Jaml
Synonyms	Jaml; junction adhesion molecule like; Ami; AMICA; Crea7; Gm638; Amica1; junctional adhesion molecule-like; adhesion molecule AMICA; adhesion molecule, interacts with CXADR antigen 1; dendritic cell-specific protein CREA7; dendritic-cell specific protein Crea7; mCrea7
Gene ID	270152
mRNA Refseq	NM_001005421
Protein Refseq	NP_001005421
UniProt ID	Q80UL9

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