

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	<p>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.</p>
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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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