Recombinant Mouse Jam3 Protein, Myc/DDK-tagged

Cat. No. Jam3-3630M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length junction adhesion molecule 3 (Jam3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Junctional adhesion protein that mediates heterotypic cell-cell interactions with its cognate receptor JAM2 to regulate different cellular processes. Plays a role in homing and mobilization of hematopoietic stem and progenitor cells within the bone marrow. At the surface of bone marrow stromal cells, it contributes to the retention of the hematopoietic stem and progenitor cells expressing JAM3. Plays a central role in leukocytes extravasation by facilitating transmigration through the endothelium. Plays a role in spermatogenesis where JAM2 and JAM3, which are respectively expressed by Sertoli and germ cells, mediate an interaction between both cell types and play an essential role in the anchorage of germ cells onto Sertoli cells and the assembly of cell polarity complexes during spermatid differentiation. Also functions as a counter-receptor for ITGAM, mediating leukocyte-platelet interactions and is involved in the regulation of transepithelial migration of polymorphonuclear neutrophils (PMN). Plays a role in angiogenesis. Plays a role in the regulation of cell migration. During myogenesis, it is involved in myocyte fusion.
Molecular Mass	34.8 kDa

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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.
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	Jam3 junction adhesion molecule 3 [Mus musculus (house mouse)]
Official Symbol	Jam3
Synonyms	JAM3; junction adhesion molecule 3; junctional adhesion molecule C; junctional adhesion molecule 3; junction cell adhesion molecule 3; junction cell adhesion molecule C; JAM-3; JAM-C; Jcam3; 1110002N23Rik
Gene ID	83964
mRNA Refseq	NM_023277
Protein Refseq	NP_075766
UniProt ID	Q9D8B7

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