

Recombinant Mouse Mxra8 Protein, Myc/DDK-tagged

Cat. No. Mxra8-4233M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length matrix-remodelling associated 8 (Mxra8), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Transmembrane protein which can modulate activity of various signaling pathways, probably via binding to integrin ITGAV:ITGB3. Mediates heterophilic cell-cell interactions in vitro. Inhibits osteoclastogenesis downstream of TNFSF11/RANKL and CSF1, where it may function by attenuating signaling via integrin ITGB3 and MAP kinase p38. Plays a role in cartilage formation where it promotes proliferation and maturation of growth plate chondrocytes. Stimulates formation of primary cilia in chondrocytes. Enhances expression of genes involved in the hedgehog signaling pathway in chondrocytes, including the hedgehog signaling molecule IHH; may also promote signaling via the PTHLH/PTHrP pathway. Plays a role in angiogenesis where it suppresses migration of endothelial cells and also promotes their apoptosis. Inhibits VEGF-induced activation of AKT and p38 MAP kinase in endothelial cells. Also inhibits VTN (vitronectin)-mediated integrin ITGAV:ITGB3 signaling and activation of PTK2/FAK. May play a role in the maturation and maintenance of the blood-brain barrier.
Molecular Mass	50.2 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	Mxra8 matrix-remodelling associated 8 [<i>Mus musculus</i> (house mouse)]
Official Symbol	Mxra8
Synonyms	Mxra8; matrix-remodelling associated 8; Asp3; Dicam; AI131686; 1200013A08Rik; 1700095D18Rik; matrix remodeling-associated protein 8; adipocyte-specific protein 3; dual Ig domain containing cell adhesion molecule; limitrin; matrix-remodeling-associated protein 8
Gene ID	74761
mRNA Refseq	NM_024263
Protein Refseq	NP_077225
UniProt ID	Q9DBV4

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