

Recombinant Mouse Mmp19 Protein, Myc/DDK-tagged

Cat. No. Mmp19-4099M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length matrix metalloproteinase 19 (Mmp19), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a member of the matrix metalloproteinase family of extracellular matrix-degrading enzymes that are involved in tissue remodeling, wound repair, progression of atherosclerosis and tumor invasion. The encoded preproprotein undergoes proteolytic processing to generate a mature, zinc-dependent endopeptidase enzyme. Mice lacking the encoded protein develop a diet-induced obesity due to adipocyte hypertrophy, exhibit decreased susceptibility to chemical carcinogen-induced skin tumors and early onset of tumoral angiogenesis. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	59.6 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.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Mmp19 matrix metalloproteinase 19 [Mus musculus (house mouse)]
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Official Symbol	Mmp19
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Synonyms	MMP19; matrix metalloproteinase 19; matrix metalloproteinase-19; MMP-19; matrix metalloproteinase 19; matrix metalloproteinase RASI; MGC123370
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Gene ID	58223
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mRNA Refseq	NM_021412
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Protein Refseq	NP_067387
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UniProt ID	Q9JHI0
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