Recombinant Mouse Mmp19 protein, His & T7-tagged

Cat. No. Mmp19-1880M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mmp19 aa. (Tyr99~Asp512 (Accession # Q9JHI0)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Tyr99~Asp512
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 hypertophy, 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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 50.3kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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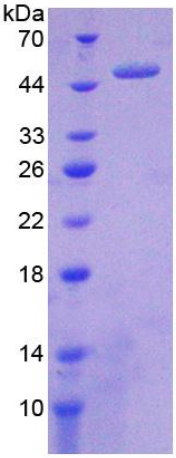
Characteristic	The isoelectric point is 8.9.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Mmp19 matrix metallopeptidase 19 [Mus musculus (house mouse)]
Official Symbol	Mmp19
Synonyms	Il17c; interleukin 17C; IL-17C; interleukin-17C; cytokine CX2
Gene ID	58223
mRNA Refseq	NM_021412.3
Protein Refseq	NP_067387.1

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UniProt ID	Q9JHI0



SDS-PAGE

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