

## Recombinant Mouse Mmp19 protein, His & T7-tagged

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

### SPECIFICATION

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

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<b>Characteristic</b>	The isoelectric point is 8.9.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
<b>Storage Buffer</b>	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
<b>Reconstitution</b>	Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

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

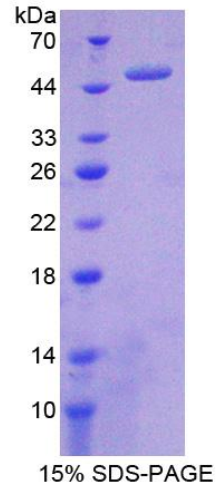
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UniProt ID

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SDS-PAGE

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