

Recombinant Mouse Mmp20 protein, His & T7-tagged

Cat. No. Mmp20-1881M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mmp20 aa. (Val137~Tyr398 (Accession # P57748)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Val137~Tyr398
Description	This gene encodes a member of the matrix metalloproteinase family of zinc-dependent endopeptidases capable of degrading extracellular matrix proteins. This gene is expressed specifically in the ameloblasts and odontoblasts, and the encoded protein is an inactive zymogen that requires proteolytic removal of a N-terminal propeptide to become enzymatically active. Mice lacking the encoded protein display an amelogenesis imperfecta phenotype.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.0kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.

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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	Mmp20 matrix metalloproteinase 20 (enamelysin) [Mus musculus (house mouse)]
Official Symbol	Mmp20
Synonyms	Il17re; interleukin 17 receptor E; Il25r; IL-17RE; AA589509; interleukin-17 receptor E; IL-17 receptor E
Gene ID	30800
mRNA Refseq	NM_013903.2
Protein Refseq	NP_038931.1

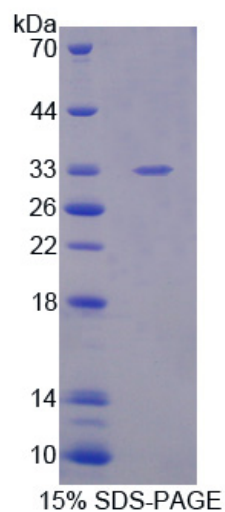
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UniProt ID

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SDS-PAGE

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