

Recombinant Mouse Mmp20 protein, His & T7-tagged

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

SPECIFICATION

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| 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

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|------------------------|--|
| Gene Name | Mmp20 matrix metalloproteinase 20 (enamelysin) [<i>Mus musculus</i> (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 |

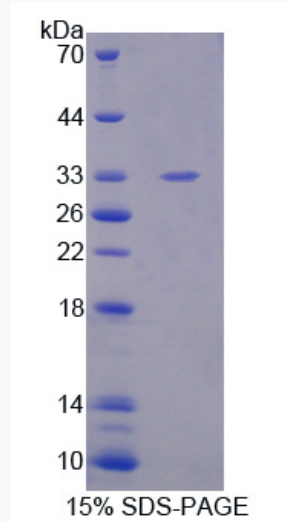
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UniProt ID

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SDS-PAGE

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