

Recombinant Rat Mmp9 protein, His-tagged

Cat. No. Mmp9-436R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Mmp9 (P50282) aa. (Gly213~Met422) fused with His tag was produced in Yeast cells.
Species	Rat
Source	Yeast
ProteinLength	Gly213~Met422
Description	metalloproteinase involved in extracellular matrix remodeling and bone resorption
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 24.3kDa; Accurate Molecular Mass: 24kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Characteristic	Isoelectric point is 4.9.
Applications	SDS-PAGE; WB; ELISA; IP; CoIP; EMSA; Reporter Assays; Purification; Amine Reactive Labeling

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Stability	The thermal stability is described by the loss rate. 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. The loss rate 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.
Concentration	200ug/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex

GENE INFORMATION

Gene Name	Mmp9 matrix metalloproteinase 9 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Mmp9
Synonyms	Mmp9; matrix metalloproteinase 9; 92 kDa gelatinase; 92-kDa type IV collagenase; GELB; MMP-9; gelatinase B; matrix metalloproteinase 9 (gelatinase B, 92-kDa type IV collagenase)
Gene ID	81687
mRNA Refseq	NM_031055.1
Protein Refseq	NP_112317.1

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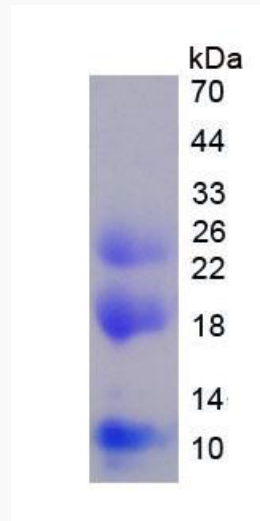
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UniProt ID

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SDS-PAGE



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