

Active Recombinant Rat Mmp9, His-tagged

Cat. No. Mmp9-537R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Mmp9 (Accession # EDL96479) Leu35-Pro708, fused with a C-terminal 6-His tag, was produced in Mouse myeloma cell line, NS0-derived.
Species	Rat
Source	Mammalian Cells
ProteinLength	35-708 a.a.
Predicted N Terminal	Leu35
Form	Supplied as a 0.2 µ filtered solution in MES, NaCl, CaCl ₂ and Glycerol.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-PLGL-Dpa-AR-NH ₂ . The specific activity is >710 pmol/min/g, as measured under the described conditions.
Molecular Mass	Recombinant Rat Mmp9, His-tagged has a calculated MW of 75 kDa. In SDS-PAGE migrates as 94 kDa, reducing conditions.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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GENE INFORMATION

Gene Name	Mmp9 matrix metallopeptidase 9 [Rattus norvegicus]
Official Symbol	Mmp9
Synonyms	MMP9; matrix metallopeptidase 9; matrix metalloproteinase-9; GELB; MMP-9; gelatinase B; 92 kDa gelatinase; 92 kDa type IV collagenase; 92-kDa type IV collagenase; matrix metalloproteinase 9 (gelatinase B 92-kDa type IV collagenase); matrix metalloproteinase 9 (gelatinase B, 92-kDa type IV collagenase);
Gene ID	81687
mRNA Refseq	NM_031055
Protein Refseq	NP_112317
MIM	

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