Recombinant Rat Mmp8 Protein, His&SUMO-tagged

Cat. No. Mmp8-1127R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Mmp8 Protein (Leu102-Pro466) with His&SUMO tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Leu102-Pro466
Description	Enables calcium ion binding activity; metallopeptidase activity; and zinc ion binding activity. Involved in several processes, including positive regulation of neuroinflammatory response; positive regulation of nitric oxide biosynthetic process; and positive regulation of tumor necrosis factor production. Located in extracellular space. Biomarker of congestive heart failure. Human ortholog(s) of this gene implicated in breast cancer and carotid artery disease. Orthologous to human MMP8 (matrix metallopeptidase 8).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 55.3 kDa; Accurate Molecular Mass: 60 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Mmp8 matrix metallopeptidase 8 [Rattus norvegicus (Norway rat)]
Official Symbol	Mmp8
Synonyms	MMP8; matrix metallopeptidase 8; neutrophil collagenase; MMP-8; neutrophil collagenease; matrix metalloproteinase-8;
Gene ID	63849
mRNA Refseq	NM_022221
Protein Refseq	NP_071557
UniProt ID	O88766

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