

## Recombinant human Matrix metalloproteinase-9

Catalog No: #AP72676



Package Size: #AP72676-1 20ug #AP72676-2 100ug #AP72676-3 1mg

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## Description

|                       |  |
|-----------------------|--|
| Product Name          | Recombinant human Matrix metalloproteinase-9   |
| Brief Description     | Recombinant Protein  |
| Host Species          | Yeast  |
| Purification          | Greater than 90% as determined by SDS-PAGE.  |
| Immunogen Description | Expression Region:107-707aaSequence Info:Partial   |
| Other Names           | 92KDA gelatinase92KDA type IV collagenaseGelatinase B ;GELB  |
| Accession No.         | P14780   |
| Uniprot               | P14780   |
| GeneID                | 4318;  |
| Calculated MW         | 68.6 kDa   |
| Tag Info              | N-terminal 6xHis-tagged  |
| Target Sequence       | FQTFEGDLKWHHHNITYWIQNYSEDLPRAVIDDAFARAFALWSAVTPLTFTRVYSRDADIVIQFGVAEHGDDGYP<br>FDGKDGLLAHAFPPGPGIQQDAHFDDDELWLSLKGKVVVPTFRGNADGAACHFPFIFEGRSYSACTTDGRSD<br>GLPWCSTTANYDTPDRFGFCPSERLYTQDGNADGKPCQFPFIFQGSYSACTTDGRSDGYRWCATTANYD<br>RDKLFGFCPTRADSTVMGGNSAGELCVFPFTFLGKEYSTCTSEGRGDGRLWCATTSNFDSKKWGFCDPQ<br>GYSFLVAAHEFGHALGLDHSSVPEALMYPMYRFTEGPPLHKDDVNGIRHLYGPRPEPEPRPPTTTTPQPTAP<br>PTVCPTGPPTVHPSERPTAGPTGPPSAGPTGPPTAGPSTATTVPLSPVDDACNVNIFDAIAEIGNQLYLFKDGK<br>YWRFSEGRGSRPQGPFLIADKWPALPRKLDVFEERLSKKLFFFSGRQVWVYTGASVLGPRRLDKLGLGADV<br>AQVTGALRSRGRKMLLFSGRRLWRFVKAQMVDPRSASEVDRMFPGVPLDTHDVFQYREKAYFCQDRFYW<br>RVSSRSELNQVDQVGYVTYDILQCPED |
| Formulation           | Tris-based buffer50% glycerol  |
| Storage               | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br><br>Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.  |

## Background

May play an essential role in local proteolysis of the Extracellular domain matrix and in leukocyte migration. Could play a role in bone osteoclastic resorption. Cleaves KiSS1 at a Gly-|-Leu bond. Cleaves type IV and type V collagen into large C-terminal three quarter fragments and shorter N-terminal one quarter fragments. Degrades fibronectin but not laminin or Pz-peptide.

## References

SV40-transformed human lung fibroblasts secrete a 92-KDA type IV collagenase which is identical to that secreted by normal human macrophages.Wilhelm S.M., Collier I.E., Marmer B.L., Eisen A.Z., Grant G.A., Goldberg G.I.J. Biol. Chem. 264:17213-17221(1989)Research Topic:Developmental Biology

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Note: This product is for in vitro research use only