

Recombinant Canis familiaris Matrix metalloproteinase-9

Catalog No: #AP72675

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Package Size: #AP72675-1 20ug #AP72675-2 100ug #AP72675-3 1mg

Description

Product Name	Recombinant Canis familiaris Matrix metalloproteinase-9
Brief Description	Recombinant Protein
Host Species	Yeast
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:107-704aaSequence Info:Full Length
Other Names	92KDA gelatinase92KDA type IV collagenaseGelatinase B ;GELB
Accession No.	O18733
Uniprot	O18733
Calculated MW	68.3 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	FQTFEGDLKWHHNDITYWIQNYSEDLPRDVIDDAFARAFVWSAVTPLTFTRVYGPEADIIIQFGVREHGDGYP FDGKNGLLAHAFPPGPGIQGDAHFDDDEELWTLGKGVVVPTHFGNADGAPCHFPFTFEGRSYSACTTDGRSD DTPWCSTTADYDTRRFGFCPSEKLYAQDGNNGDKPCVFPFTFEGRSYSTCTTDGRSDGYRWCSSTADYD QDKLYGFCPTRVDSAVTGGNSAGEPCVFPFIFLGKQYSTCTREGRGDGHLWCATTSNFDKRWGFCPDQ GYSLFLVAAHEFGHALGLDHSSVPEALMYPMSYFTEGPPHEDDVRGIQHLYGPRPEPEPQPPTAPPTAPPT VCATGPPTTRPSERPTAGPTGPPAAGPTGPPTAGPSEAPTVPVDPADICKVNIFDAIEIRNYLHFFKEGKYW RFSKGGKRRVQGPFLSPSTWPALPRKLDSAFEDGLTKKTFSSGRQVWVYTGTSVVGPRRLDKLGLGPEVT QVTGALPQGGGKVLFSRQRFWSFDVKTQTVDPRSAGSVEQMYPGVPLNTHDIFQYQEKAYFCQDRFYWR VNSRNEVNQVDEVG YVTFDILQCPED
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. 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

Could play a role in bone osteoclastic resorption. Cleaves type IV and type V collagen into large C-terminal three quarter fragments and shorter N-terminal one quarter fragments .

References

Dog mast cell alpha-chymase activates progelatinase B by cleaving the Phe88-Gln89 and Phe91-Glu92 bonds of the catalytic domain.Fang K.C., Raymond W.W., Blount J.L., Caughey G.H.J. Biol. Chem. 272:25628-25635(1997)Research Topic:Others

Note: This product is for in vitro research use only