

## Recombinant Mouse MMP9 Protein

Catalog #	Source	Reactivity	Applications
CRP3020	Human cells	Mouse	E, WB, SDS-PAGE, MS

**Description** Recombinant Mouse MMP9 Protein is produced by mammalian expression system and the target gene encoding Ala20-Pro730 is expressed with a 10His tag at the C-terminus.

**Form** Liquid in a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH7.5.

**Gene Symbol** MMP9

**Alternative Names** CLG4B; Matrix metalloproteinase-9; MMP-9; 92 kDa gelatinase; 92 kDa type IV collagenase; Gelatinase B; GELB

**Entrez Gene** 17395 (Mouse)

**SwissProt** P41245 (Mouse)

**Purity** Greater than 95% as determined by reducing SDS-PAGE.

**Chemical Structure** APYQRQPTFV VFPKDLKTSN LTDTQLAEAY LYRYGYTRAA QMMGEKQSLR PALLMLQKQL SLPQTGELDS QTLKAIRTPR CGVPDVGRFQ TFKGLKWDHH NITYWIQNY S EDLPRDMIDD AFARAFVWG EVAPLTFTRV YGPEADIVIQ FGVAEHGDGY PFDGKDGLLA HAFPPGAGVQ GDAHFDDDEL WSLGKGVVIP TTYGNSNGAP CHFPTFEGR SYSACTTDGR NDGTPWCSTT ADYDKDGKFG FCPSELYTE HGNGEGKPCV PPFIFEGRSY SACTTKGRSD GYRWCATTAN YDQDKLYGFC PTRVDATVVG GNSAGELCVF PFVFLGKQYS SCTSDGRRDG RLWCATTSNF DTDKKWGFPC DQGYSFLVA AHEFGHALGL DHSSVPEALM YPLYSYLEGF PLNKDDIDGI QYLYGRGSKP DPRPPATTTT EPQPTAPPTM CPTIPPTAYP TVGPTVGPTG APSPGPTSSP SPGPTGAPSP GPTAPPTAGS SEASTESLSP ADNPCNVDVF DAIAEIQGAL HFFKDGWYWK FLNHRGSPLQ GPFLTARTWP ALPATLDSAF EDPQTKRVFF FSGRQMWWYT GKTVLGPRSL DKLGLGPEVT HVSGLLPRRL GKALLFSKGR VWRFDLKSQK VDPQSVIRVD KEFSGVPWNS

**Application key:** E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

**Species reactivity key:** H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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# Product Data Sheet

HDIFQYQDKA YFCHGKFFWR VSFQNEVNKV DHEVNQVDDV GYVTYDLLQC

PGGGGSHHHH HHHHHH

**Quality Control**

Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.

**Directions for Use**

Please minimize freeze-thaw cycles.

**Storage/Stability**

Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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