

Recombinant Human MMP9 Protein

Catalog #	Source	Reactivity	Applications
CRP1970	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human MMP9 Protein is produced by our mammalian expression system and the target gene encoding Ala19-Asp707 is expressed with a 6His tag at the C-terminus.
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 2mM CaCl ₂ , 150mM NaCl, 0.05% Brij35, 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	4318 (Human)
SwissProt	P14780 (Human)
Purity	Greater than 95% as determined by reducing SDS-PAGE.
Chemical Structure	AAPRQRQSTL VLFPGDLRTN LTDRQLAEY LYRYGYTRVA EMRGESKSLG PALLLLQKQL SLPETGELDS ATLKAMRTPR CGVPDLGRFQ TFEGDLKWHH HNITYWIQNY SEDLPRAVID DAFARAFALW SAVTPLTFTR VYSRDADIVI QFGVAEHGDG YPFDGKDGLL AHAFPPGPGI QGDAHFDDE LWSLKGKVVV PTRFGNADGA ACHFPFIFEG RSYACTTDG RSDGLPWCST TANYDTPDRF GFCPSERLYT RDGNADGKPC QFPFIFQQQS YSACTTDGRS DGYRWCATTA NYDRDKLFGF CPTRADSTVM GGNSAGELCV FPFTFLGKEY STCTSEGRGD GRLWCATTSN FDSDDKKWGFC PDQGYSLFLV AAHEFGHALG LDHSSVPEAL MYPMYRFTEG PPLHKDDVNG IRHLYGPRPE PEPRPPTTTT PQPTAPPTVC PTGPPTVHPS ERPTAGPTGP PSAGPTGPPT AGPSTATTVP LSPVDDACNV NIFDAIAEIG NQLYLFKDGK YWRFSEGRGS RPQGPFLIAD KWPALPRKLD SVFEEPLSKK LFFFSGRQVW VYTGASVLGP RRLDKLGLGA DVAQVTGALR

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

SGRGKMLLFS GRRLWRFDVK AQMVDP RSAS EVDRMFPGVP LDTHDVFQYR

EKAYFCQDRF YWRVSSRSEL NQVDQVGYVT YDILQCPEDV DHHHHHH

Quality Control

Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.

Directions for Use

Always centrifuge tubes before opening. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Storage/Stability

Store it at -20°C to -80°C for one year.

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