

Recombinant Human MMP8 Protein

Catalog #	Source	Reactivity	Applications
CRP2774	Human cells	Human	E, WB, SDS-PAGE, MS

Description Recombinant Human MMP8 Protein is produced by mammalian expression system and the target gene encoding Phe21-Gly467 is expressed with a 10His tag at the C-terminus.

Form Lyophilized from a 0.2 µm filtered solution of 50mM Tris-HCl, 10mM CaCl₂, 150mM NaCl, pH7.5.

Gene Symbol MMP8

Alternative Names CLG1; Neutrophil collagenase; Matrix metalloproteinase-8; MMP-8; PMNL collagenase; PMNL-CL

Entrez Gene 4317 (Human)

SwissProt P22894 (Human)

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

Chemical Structure FPVSSKEKNT KTVQDYLEKF YQLPSNQYQS TRKNGTNVIV EKLKEMQRFF GLNVTGKPNE ETLDMMKKPR CGVPDSGGFM LTPGNPKWER TNLYRIRNY TPQLSEAEVE RAIKDAFELW SVASPLIFTR ISQGEADINI AFYQRDHGDN SPFDGPNLIL AHAFQPGQGI GGDAHFDAEE TWTNTSANYN LFLVAAHEFG HSLGLAHSSD PGALMYPNYA FRETSNYSLP QDDIDGIQAI YGLSSNPIQP TGPSTPKPCD PSLTFDAITT LRGEILFFKD RYFWRRRHPQL QRVEMNFISL FWPSLPTGIQ AAYEDFDRDL IFLFKGNQYW ALSGYDILQG YPKDISNYGF PSSVQAIDAA VFYRSKTYFF VNDQFWRYDN QRQFMEPGYP KSISGAFPGI ESKVDAVFQQ EHHFHVFSGP RYYAFDLIAQ RVTRVARGNK WLNCRYGGGG GSHHHHHHHH HH

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. Do not mix by vortex or pipetting. It is not

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

recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in ddH₂O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

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