

Recombinant Human MMP2 Protein

Catalog #	Source	Reactivity	Applications
CRP1968	Human cells	Human	E, WB, SDS-PAGE, MS

Description	Recombinant Human MMP2 Protein is produced by our Mammalian expression system and the target gene encoding Ala30-Cys660 is expressed with a 6His tag at the C-terminus.
Form	Lyophilized from a 0.2 μM filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 7.5.
Gene Symbol	MMP2
Alternative Names	CLG4A; 72 kDa type IV collagenase; 72 kDa gelatinase; Gelatinase A; Matrix metalloproteinase-2; MMP-2; TBE-1
Entrez Gene	4313 (Human)
SwissProt	P08253 (Human)
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.
Chemical Structure	<p>APSPIIKFPG DVAPKTDKEL AVQYLNTFYG CPKESC�LFV LKDTLKKMQK FFGLPQTGDL</p> <p>DQNTIETMRK PRCGNPDVAN YNFFPRKPKW DKNQITYRII GYTPDLDPET VDDAFARAFQ</p> <p>VWSDVTPLRF SRIHDGEADI MINFGRWEHG DGYPFDGKDG LLAHAFAPGT</p> <p>GVGGDSHFDD DELWTLGEGQ VVRVKYGNAD GEYCKFPFLF NGKEYNSCTD</p> <p>TGRSDGFLWC STTYNFEKDG KYGFCPHEAL FTMGGNAEGQ PCKFPFRFQG TSYDSCTTEG</p> <p>RTDGYRWCGT TEDYDRDKKY GFCPETAMST VGGNSEGAPC VFPFTFLGNK YESCTSAGRS</p> <p>DGKMWCATTA NYDDDRKWGF CPDQGYSFLF VAAHEFGHAM GLEHSQDPGA</p> <p>LMAPIYTYTK NFRLSQDDIK GIQELYGASP DIDLGTGPTP TLGPVTPEIC KQDIVFDGIA</p> <p>QIRGEIFFFK DRFIWRTVTP RDKPMGPLLV ATFWPELPEK IDAVYEAPQE EKAVFFAGNE</p> <p>YWIYASTLE RGYPKPLTSL GLPPDVQRVD AAFNWSKNKK TYIFAGDKFW RYNEVKKKMD</p> <p>PGFPKLIADA WNAIPDNLDA VVDLQGGGHS YFFKGAYYK LENQSLKSVK FGSIKSDWLG</p>

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

CVDHHHHHH

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 recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the lyophilized protein in 1X PBS. 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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