

Active Recombinant Human MMP2 Protein (Tyr120-Cys660), C-His tagged, Animal-free, Carrier-free

Cat. No. MMP2-220H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP2 Protein (Tyr120-Cys660) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free.
Species	Human
Source	E.coli
ProteinLength	Tyr120-Cys660
Description	Active matrix metalloproteinase-2 (Active MMP-2) is a 63 kDa matrix metalloproteinases with 558 amino acid residues. MMP-2 is mainly expressed from extracellular matrix organization. Functionally, it can degrade type IV collagen and involves processes of the vasculature, angiogenesis, tissue repair, tumor invasion, inflammation, and atherosclerotic plaque rupture.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 63.00 kDa. The protein migrates as 66 kDa under reducing condition (SDS-PAGE analysis).
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	>95% as determined by SDS-PAGE analysis.

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Storage	<p>This product is stable after storage at:</p> <p>-20 centigrade for 12 months in lyophilized state from date of receipt.</p> <p>-20 or -80 centigrade for 1 month under sterile conditions after reconstitution.</p> <p>Avoid repeated freeze/thaw cycles.</p>
Storage Buffer	Lyophilized from a 0.2 µm filtered solution of PBS, pH 8.0.
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile H ₂ O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage.

GENE INFORMATION

Gene Name	MMP2 matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase) [Homo sapiens (human)]
Official Symbol	MMP2
Synonyms	MMP2; matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase); CLG4, CLG4A, matrix metalloproteinase 2 (gelatinase A, 72kD gelatinase, 72kD type IV collagenase) , matrix metalloproteinase 2 (gelatinase A, 72kDa gelatinase, 72kDa type IV collagenase); 72 kDa type IV collagenase; TBE 1; MMP-2; gelatinase A; 72 kDa gelatinase; collagenase type IV-A; neutrophil gelatinase; matrix metalloproteinase-2; matrix metalloproteinase-II; CLG4; MONA; CLG4A; TBE-1; MMP-II;
Gene ID	4313

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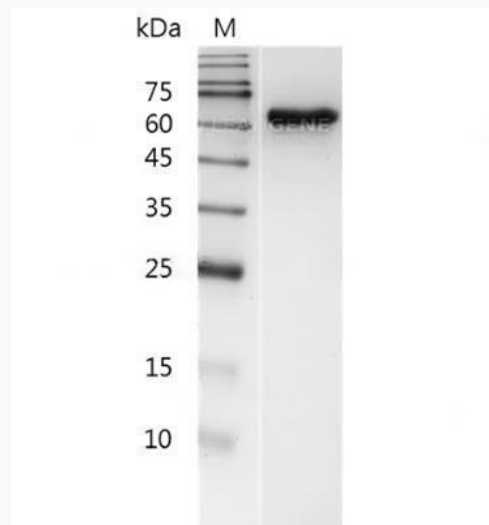
mRNA Refseq [NM_001127891](#)

Protein Refseq [NP_001121363](#)

MIM [120360](#)

UniProt ID [P08253](#)

**SDS-PAGE analysis
of recombinant
human MMP2
(active).**



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