

Active Recombinant Human full length MMP1 protein, His-tagged

Cat. No. MMP1-809H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human MMP1 protein(NP_002412.1)(Met 1-Asn 469) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	1-469 aa
Form	Lyophilized from sterile 25mM MES, 10mM CaCl ₂ , 150mM NaCl, 0.05% Brij 35, pH 5.5.
Bio-activity	Measured by its ability to cleave the fluorogenic peptide substrate, Mca-PLGL-Dpa-AR-NH ₂ . The specific activity is >400 pmoles/min/μg (Activation description: The proenzyme needs to be activated by APMA for an activated form)
Molecular Mass	The secreted recombinant human MMP1 comprises 461 amino acids migrates as an approximately 50-55 kDa band as estimated in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg protein as determined by the LAL method.
Purity	≥ 95 % as determined by SDS-PAGE. ≥ 95 % as determined by SEC-HPLC.

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Storage Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name MMP1 matrix metalloproteinase 1 (interstitial collagenase) [Homo sapiens]

Official Symbol MMP1

Synonyms MMP1; matrix metalloproteinase 1 (interstitial collagenase); CLG, matrix metalloproteinase 1 (interstitial collagenase); interstitial collagenase; fibroblast collagenase; matrix metalloproteinase 1; matrix metalloproteinase 1; CLG; CLGN;

Gene ID 4312

mRNA Refseq NM_001145938

Protein Refseq NP_001139410

MIM 120353

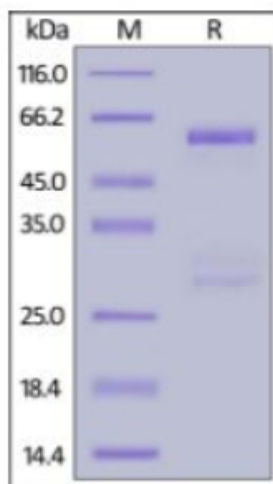
UniProt ID P03956

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SDS-PAGE



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