

Recombinant Human MMP3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MMP3-780H Lot. No. (See product label)

SPECIFICATION

Product Overview	MMP3 MS Standard C13 and N15-labeled recombinant protein (NP_002413) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	<p>Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of extracellular matrix in normal physiological processes, such as embryonic development, reproduction, and tissue remodeling, as well as in disease processes, such as arthritis and metastasis. Most MMP's are secreted as inactive proproteins which are activated when cleaved by extracellular proteinases. This gene encodes an enzyme which degrades fibronectin, laminin, collagens III, IV, IX, and X, and cartilage proteoglycans. The enzyme is thought to be involved in wound repair, progression of atherosclerosis, and tumor initiation. The gene is part of a cluster of MMP genes which localize to chromosome 11q22.3.</p>
Molecular Mass	54 kDa
AA Sequence	<p>MKSLPILLLLCVAVCSAYPLDGAARGEDTSMNLVQKYLENYYDLEKDVKQFVRRKDS GPVVKKIREMQKFLGLEVTGKLDSDTLEVMRKPRCGVPDVGHFRTFPGIPKWRKTH LTYRIVNYTPDLPKDAVDSAVEKALKVWEEVTLTFSRLYEAGEADIMISFAVREHGDF YPFDGPGNVLAHAYAPGPGINGDAHFDDEQWTKD TTGTNLFLVAAHEIGHSLGLF</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

HSANTEALMYPLYHSLTDLTRFRLSQDDINGIQSLYGPPDSPETPLVPTEPVPPEP
 GTPANCDPALSFDAVSTLRGEILIFKDRHFWRKSLRKLEPELHLISSFWPSLPSGVDA
 AYEVTSKDLVFIFKGNQFWAIRGNEVRAGYPRGIHTLGFPTVRKIDAAISDKEKNKT
 YFFVEDKYWRFDEKRNSMEPGFQKQIAEDFPGIDSKIDAVFEFEGFFYFFTGSSQLE
 FDPNAKKVTHTLKSNSWLNCTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [MMP3 matrix metalloproteinase 3 \[Homo sapiens \(human\) \]](#)

Official Symbol [MMP3](#)

Synonyms MMP3; matrix metalloproteinase 3 (stromelysin 1, progelatinase); matrix metalloproteinase 3 (stromelysin 1, progelatinase), STMY, STMY1; stromelysin-1; transin-1; proteoglycanase; matrix metalloproteinase-3; matrix metalloproteinase 3 (stromelysin 1, progelatinase); SL-1; STMY; STR1; CHDS6; MMP-3; STMY1; MGC126102; MGC126103; MGC126104;

Gene ID [4314](#)

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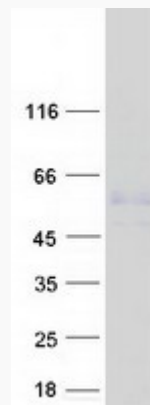
mRNA Refseq [NM_002422](#)

Protein Refseq [NP_002413](#)

MIM [185250](#)

UniProt ID [P08254](#)

SDS-PAGE



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