

Product datasheet for TP310235

OriGene Technologies, Inc.

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MMP3 (NM_002422) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human matrix metallopeptidase 3 (stromelysin 1, progelatinase)

(MMP3), 20 µg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC210235 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MKSLPILLLLCVAVCSAYPLDGAARGEDTSMNLVQKYLENYYDLEKDVKQFVRRKDSGPVVKKIREMQKF LGLEVTGKLDSDTLEVMRKPRCGVPDVGHFRTFPGIPKWRKTHLTYRIVNYTPDLPKDAVDSAVEKALKV WEEVTPLTFSRLYEGEADIMISFAVREHGDFYPFDGPGNVLAHAYAPGPGINGDAHFDDDEQWTKDTTGT NLFLVAAHEIGHSLGLFHSANTEALMYPLYHSLTDLTRFRLSQDDINGIQSLYGPPPDSPETPLVPTEPV PPEPGTPANCDPALSFDAVSTLRGEILIFKDRHFWRKSLRKLEPELHLISSFWPSLPSGVDAAYEVTSKD LVFIFKGNQFWAIRGNEVRAGYPRGIHTLGFPPTVRKIDAAISDKEKNKTYFFVEDKYWRFDEKRNSMEP GFPKQIAEDFPGIDSKIDAVFEEFGFFYFFTGSSQLEFDPNAKKVTHTLKSNSWLNC

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Tag: C-Myc/DDK
Predicted MW: 52.2 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.





RefSeq: NP 002413

 Locus ID:
 4314

 UniProt ID:
 P08254

 RefSeq Size:
 1828

 Cytogenetics:
 11q22.2

 RefSeq ORF:
 1431

Synonyms: CHDS6; MMP-3; SL-1; STMY; STMY1; STR1

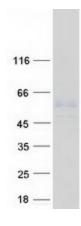
Summary: Proteins of the matrix metalloproteinase (MMP) family are involved in the breakdown of

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. [provided

by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protease

Product images:



Coomassie blue staining of purified MMP3 protein (Cat# TP310235). The protein was produced from HEK293T cells transfected with MMP3 cDNA clone (Cat# [RC210235]) using MegaTran 2.0 (Cat# [TT210002]).