

Product datasheet for TP310235SE

MMP3 (NM_002422) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Human matrix metalloproteinase 3 (stromelysin 1, progelatinase) (MMP3), (Secreted), 20ug

Species: Human

Expression Host: HEK293

Expression cDNA Clone or >RC210235 protein sequence

AA Sequence: Red=Cloning site Green=Tags(s)

MKSLPILLLLCVAVCSAYPLDGAARGEDTSMNLVQKYLENYYDLEKDVKQFVRRKDSGPVVKKIREMQKF
LGLEVTGKLDSDTLEVMRKPRCGVPDVGHFRTFPGIPKWRKTHLYRIVNYTPDLPKDAVDSAVEKALKV
WEEVPTLTFSRLYEGEADIMISFAVREHGDFYPFDGPGNVLAHAYAPGPGINGDAHFDDEQWTKDTTGT
NLFVAAHEIGHSLGLFHSANTEALMYPLYHSLDLTRFRLSQDDINGIQSLYGPPPDPETPLVPTEPV
PPEPGTPANCDPALSFDVAVSTLRGEILIFKDRHFWRKSLRKLEPELHLISSFWPSLPSPGVDAAYEVTSKD
LVFIFKGNQFWAIRGNEVRAGYPRGIHTLGFPPVTRKIDAAISDKEKNKTYFFVEDKYWRFDEKRNSMEP
GFPKQIAEDFPGIDSKIDAVFEFGFFYFFTGSSQLEFDPNAKKVTHTLKSNSWLNC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 55.8 kDa

Concentration: >50 ug/mL as determined by microplate Bradford method

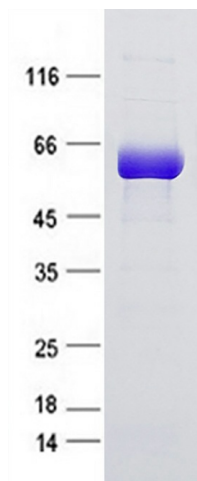
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25mM Tris-HCl, pH7.3, 100mM glycine, 10% glycerol

Preparation: Conditioned medium was collected from overexpressed HEK293 cells. Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps



Note:	For culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for at least 1 year from receipt of products 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 #TP310235E). The protein was produced from mammalian cells transfected with MMP3 cDNA clone (Cat #[RC210235]).