

Product datasheet for **TP320949M**

PR3 (PRTN3) (NM_002777) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human proteinase 3 (PRTN3), 100 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone >RC220949 representing NM_002777

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

MAHRPPSPALASVLLALLLSGAARAAEIVGGHEAQPHSRPYMASLQMRGNPGSHFCGGTLIHPSFVLTA
HCLRDIPQRLVNVVLGAHNVRTQEPTQQHFSVAQVFLNNYDAENKLNLDILLIQLSSPANLSASVATVQLP
QQDQVPVPHGTQCLAMGWGRVGAHDPPAQVLQELNVTVVTFPCRPHNICTFVPRRKAGICFGDSGGPLICD
GIIQGIDSFVIWGCATRLFPDFTRVALYVDWIRSTLRRVEAKGRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 27.6 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_002768](#)

Locus ID: 5657

UniProt ID: [P24158](#)



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RefSeq Size:	1001
Cytogenetics:	19p13.3
RefSeq ORF:	768
Synonyms:	ACPA; AGP7; C-ANCA; CANCA; MBN; MBT; NP-4; NP4; P29; PR-3; PR3
Summary:	Serine protease that degrades elastin, fibronectin, laminin, vitronectin, and collagen types I, III, and IV (in vitro) (PubMed:3198760, PubMed:2033050, PubMed:28240246). By cleaving and activating receptor F2RL1/PAR-2, enhances endothelial cell barrier function and thus vascular integrity during neutrophil transendothelial migration (PubMed:23202369). May play a role in neutrophil transendothelial migration, probably when associated with CD177 (PubMed:22266279).[UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome, Protease

Product images:



Coomassie blue staining of purified PRTN3 protein (Cat# [TP320949]). The protein was produced from HEK293T cells transfected with PRTN3 cDNA clone (Cat# [RC220949]) using MegaTran 2.0 (Cat# [TT210002]).