

Product datasheet for **TP320949**

PR3 (PRTN3) (NM_002777) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human proteinase 3 (PRTN3), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220949 representing NM_002777 Red =Cloning site Green =Tags(s)

MAHRPPSPALASVLLALLLSGAARAAEIVGGHEAQPHSRPYMASLQMRGNPGSHFCGGTLIHPSFVLTA
HCLRDIPQRLVNVVLGAHNVRTQEPTQQHFSVAQVFLNNYDAENKLNIDILLIQLSSPANLSASVATVQLP
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]).