

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 HEK293T **Expression Host:** Expression cDNA Clone >RC220949 representing NM_002777 or AA Sequence: Red=Cloning site Green=Tags(s) MAHRPPSPALASVLLALLLSGAARAAEIVGGHEAQPHSRPYMASLQMRGNPGSHFCGGTLIHPSFVLTAA HCLRDIPQRLVNVVLGAHNVRTQEPTQQHFSVAQVFLNNYDAENKLNDILLIQLSSPANLSASVATVQLP QQDQPVPHGTQCLAMGWGRVGAHDPPAQVLQELNVTVVTFFCRPHNICTFVPRRKAGICFGDSGGPLICD GIIQGIDSFVIWGCATRLFPDFFTRVALYVDWIRSTLRRVEAKGRP **TRTRPLEQKLISEEDLAANDILDYKDDDDKV** Tag: C-Myc/DDK Predicted MW: 27.6 kDa **Concentration:** >0.05 µg/µL as determined by microplate BCA method > 80% as determined by SDS-PAGE and Coomassie blue staining Purity: **Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol Recombinant protein was captured through anti-DDK affinity column followed by conventional **Preparation:** 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. Store at -80°C. Storage: Stable for 12 months from the date of receipt of the product under proper storage and Stability: handling conditions. Avoid repeated freeze-thaw cycles. **RefSeq:** NP 002768 5657 Locus ID: UniProt ID: P24158



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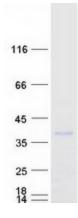
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	PR3 (PRTN3) (NM_002777) Human Recombinant Protein – TP320949
RefSeq Size:	1001
Cytogenetics:	19p13.3
RefSeq ORF:	768
Synonyms:	ACPA; AGP7; C-ANCA; CANCA; MBN; MBT; NP-4; NP4; P29; PR-3; PR3
Summary:	Serine protease that degrades elastin, fibronectin, 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]).

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