

Product datasheet for **SC128268**

PR3 (PRTN3) (NM_002777) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PR3 (PRTN3) (NM_002777) Human Untagged Clone
Tag:	Tag Free
Symbol:	PR3
Synonyms:	ACPA; AGP7; C-ANCA; CANCA; MBN; MBT; NP-4; NP4; P29; PR-3; PR3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_002777 edited ATGGCTACCGGCCCCAGCCCTGCCCTGGCGTCCGTGCTGCTGGCCTTGCTGCTGAGC GGTGCTGCCCCGAGCTGCGGAGATCGTGGCGGGCAGAGGCGCAGCCACACTCCCGGCC TACATGGCCTCCCTGCAGATGCGGGGAACCCGGGCAGCCACTTCTGCGGAGGCACCTTG ATCCACCCAGCTTCGTGCTGACGGCCGCGCACTGCCTGCGGGACATACCCAGCGCCTG GTGAACGTGGTGCTCGGAGCCACAACGTGCGGACGCAGGAGCCACCCAGCAGCACTTC TCGGTGGCTCAGGTGTTTCTGAACAACACGACGCGGAGAACTGAACGACATTCTC CTCATCCAGTGAGCAGCCAGCCAACCTCAGTGCCTCCGTGCCCACAGTCCAGTGCCA CAGCAGGACCAGCCAGTGCCCCACGGCACCCAGTGCCTGGCCATGGGCTGGGGCCGCGT GGTGCCCAGACCCCCAGCCAGTCTGCAGGAGCTCAATGTCACCGTGGTCCACCTTC TTCTGCCGGCCACATAACATTTGCACTTTCGTCCCTCGCCGCAAGGCCGGCATCTGCTTC GGAGACTCAGGTGGCCCCCTGATCTGTGATGGCATCATCAAGGAATAGACTCCTTCGCTG ATCTGGGGATGTGCCACCCGCTTTTCCCTGACTTCTTACGCGGGTAGCCCTCTACGTG GACTGGATCCGTTCCACGCTGCGCCGTGTGGAGGCCAAGGGCCGCCCTGA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002777 unedited NNNGGTGGGTCAGATTTGTATACGACTCATATAGGGCGGCCGGAATTCGCACGAGGATG GCTCACCGGCCCCCAGCCCTGCCCTGGCGTCCGTGCTGCTGGCCTTGCTGCTGAGCGGT GCTGCCGAGCTGCGGAGATCGTGGGCGGGCAGAGGCGCAGCCACACTCCCGGCCCTAC ATGGCCTCCCTGCAGATGCGGGGAACCCGGGCAGCCACTTCTGCGGAGGCACCTTGATC CACCCAGCTTCGTGCTGACGGCCGCGCACTGCCTGCGGGACATAACCCAGCGCCTGGTG AACGTGGTGCTCGGAGCCACAACGTGCGGACGCAGGAGCCACCCAGCAGCACTTCTCG GTGGCTCAGGTGTTTCTGAACAACCTACGACGCGGAGAACAACCTGAACGACATTCTCCTC ATCCAGCTGAGCAGCCAGCCAACCTCAGTGCCTCCGTGCCACAGTCCAGCTGCCACAG CAGGACCAGCCAGTGCCACCGCACCCAGTGCCTGGCCATGGGCTGGGGCCGCTGGGT GCCACGACCCCCAGCCAGGTCTGCAGGAGCTCAATGTCACCGTGGTACCTTCTTC TGCCGGCCACATAACATTTGCACTTTCGTCCCTCGCCGAAGGCCGGCATCTGCTTCGGA GACTCAGGTGGCCCCCTGATCTGTGATGGCATCATCCAAGGAATAGACTCCTTCGTGATC TGGGGATGTGCCACCCGCTTTCCCTGACTTCTTACGCGGGTAGCCCTCTACGTGGAC TGGATCCGTTCCACGCTGCGCCGTGTGGAGGCCAAGGGCCGNCCCTGAACCGCCCTCCA CAGCGCTGGCCCCGACCCGAGCCC
Restriction Sites:	Please inquire
ACCN:	NM_002777
Insert Size:	800 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_002777.3 , NP_002768.3
RefSeq Size:	1001 bp
RefSeq ORF:	771 bp
Locus ID:	5657
UniProt ID:	P24158
Cytogenetics:	19p13.3
Domains:	Tryp_SPc
Protein Families:	Druggable Genome, Protease

Gene 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]