

Product datasheet for **SC320203**

PRSS8 (NM_002773) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRSS8 (NM_002773) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRSS8
Synonyms:	CAP1; PROSTASIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002773.3
 CCGTTGCGGCCGCTCCCTGCCTTAGAGGCCAGCCTTGGACACTTGCTGCCCTTTCCAGC
 CCGGATTCTGGGATCCTTCCCTCTGAGCCAACATCTGGGTCTGCCTTCGACACCACCC
 AAGGCTTCTACCTTGCCTGCCTGGAGTCTGCCCCAGGGGCCCTGTCTGGGCCATGGC
 CCAGAAGGGGGTCTGGGGCCTGGGCAGCTGGGGCTGTGGCCATTCTGCTCTATCTTGG
 ATTACTCCGGTCGGGGACAGGAGCGGAAGGGGCAGAAGCTCCCTGCGGTGTGGCCCCCA
 AGCAGCATCACAGGTGGCAGCAGTGCAGTCCCGGTCACTGGCCCTGGCAGGTAGCAT
 CACCTATGAAGGCGTCCATGTGTGGTGGCTCTCTCGTGTCTGAGCAGTGGGTGCTGTC
 AGCTGCTCACTGCTTCCCAGCGAGCACCAAGGAAGCCTATGAGGTCAAGCTGGGGG
 CCACCAGCTAGACTCCTACTCCGAGGACGCCAAGGTGAGCACCTGAAGGACATCATCC
 CCACCCAGCTACCTCCAGGAGGGCTCCAGGGCGACATTGCACTCCTCAACTCAGCAG
 ACCCATCACCTTCTCCGCTACATCCGGCCATCTGCCTCCCTGCAGCCAACGCCTCCT
 CCCCACGGCCTCACTGCACTGCACTGGCTGGGGTCACTGTGGCCCCCTCAGTGAGCCT
 CCTGACGCCCAAGCCACTGCAGCAACTCGAGGTGCCTCTGATCAGTCGTGAGACGTGTA
 CTGCCTGTACAACATCGACGCCAAGCCTGAGGAGCCGCACTTTGTCCAAGAGGACATGGT
 GTGTGCTGGCTATGTGGAGGGGGCAAGGACGCCTGCCAGGGTACTCTGGGGGCCACT
 CTCTGCCTGTGGAGGGTCTCTGGTACCTGACGGGCATTGTGAGCTGGGGAGATGCCTG
 TGGGGCCCGCAACAGGCCTGGTGTGTACTCTGGCCTCCAGCTATGCCTCCTGGATCCA
 AAGCAAGGTGACAGAAGTCCAGCCTCGTGTGGTGCCTCAACCCAGGAGTCCCAGCCGA
 CAGCAACTCTGTGGCAGCCACTGGCCTTCACTCTGCCCCAGCCAGGGCTTGTCTGAG
 GCCCATCTTTTCTGCCTCTGGGCCTGGCTCTGGGCCTCCTCTCCCATGGCTCAGCGA
 GCACTGAGCTGGCCCTACTTCCAGGATGGATGCATCACACTCAAGGACAGGAGCCTGGTC
 CTCCCTGATGGCCTTTGGACCCAGGGCCTGACTTGAGCCACTCTTCTTCAGGACTCT
 GCGGGAGCTGGGGCCCATCTTGATCTTTGAGCCATTCTTCTGGGTGTGCTTTTTGGG
 ACCATCACTGAGAGTCAGGAGTTTTACTGCCTGTAGCAATGGCCAGAGCCTCTGGCCCT
 CACCCACCATGGACCAGCCATTGGCCGAGCTCCTGGGGAGCTCCTGGGACCCTTGCTA
 TGAAAATGAGCCCTGGCTCCACCTGTTTCTGGAAGACTGCTCCCGGCCCGCCTGCCAG
 ACTGATGAGCACATCTCTGCCCTCTCCCTGTGTTCTGGGCTGGGGCCACCTTTGTGCA
 GCTTCGAGGACAGGAAAGGCCCAATCTTGCCCACTGGCCGCTGAGCGCCCCGAGCCCT
 GACTCCTGGACTCCGGAGGACTGAGCCCCACCGAACTGGGCTGGCGCTGGATCTGGG
 GTGGGAGTAACAGGGCAGAAATGATTAATGTTTGGACAAAAA

Restriction Sites: Please inquire

ACCN: NM_002773

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_002773.3 , NP_002764.1
RefSeq Size:	1940 bp
RefSeq ORF:	1032 bp
Locus ID:	5652
UniProt ID:	Q16651
Cytogenetics:	16p11.2
Domains:	Tryp_SpC
Protein Families:	Druggable Genome, Protease, Secreted Protein
Gene Summary:	This gene encodes a member of the peptidase S1 or chymotrypsin family of serine proteases. The encoded preproprotein is proteolytically processed to generate light and heavy chains that associate via a disulfide bond to form the heterodimeric enzyme. This enzyme is highly expressed in prostate epithelia and is one of several proteolytic enzymes found in seminal fluid. This protease exhibits trypsin-like substrate specificity, cleaving protein substrates at the carboxyl terminus of lysine or arginine residues. The encoded protease partially mediates proteolytic activation of the epithelial sodium channel, a regulator of sodium balance, and may also play a role in epithelial barrier formation. [provided by RefSeq, Feb 2016]