

## Product datasheet for **SC308715**

### PRSS57 (NM\_214710) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRSS57 (NM_214710) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRSS57
Synonyms:	NSP4; PRSSL1; UNQ782
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308715 representing NM_214710. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGGGCTCGGGTTGAGGGGCTGGGGACGTCCTCTGCTGACTGTGGCCACCGCCCTGATGCTGCCCGTG
AAGCCCCCGCAGGCTCCTGGGGGGCCAGATCATCGGGGGCCACGAGGTGACCCCCACTCCAGGCC
TACATGGCATCCGTGCGCTTCGGGGGCAACATCACTGCGGAGGCTTCTGCTGCGAGCCCGCTGGGTG
GTCTCGGCCGCCACTGCTTCAGCCACAGAGACCTCCGACTGGCCTGGTGGTGTGGGGCCACGTC
CTGAGTACTGCGGAGCCACCCAGCAGGTGTTGGCATCGATGCTCTACCACACACCCCGACTACCAC
CCCATGACCCACGCCAACGACATCTGCCTGCTGCGGCTGAACGGCTCTGCTGTCCCTGGGCCCTGCAGTG
GGGCTGCTGAGGCTGCCAGGGAGAAGGGCCAGGCCCCACAGCGGGGACACGGTGCCGGGTGGCTGGC
TGGGGCTTCGTGTCTGACTTTGAGGAGCTGCCGCTGGACTGATGGAGGCCAAGGTCCGAGTGTGGAC
CCGGACGTCTGCAACAGCTCCTGGAAGGGCCACCTGACACTTACCATGCTCTGCACCCGAGTGGGGAC
AGCCACAGACGGGCTTCTGCTCGGCCGACTCCGGAGGGCCCCTGGTGTGCAGGAACCGGGCTCACGGC
CTCGTTTCTTCTCGGGCCTCTGGTGGCGGACCCCAAGACCCCGACGTGTACACGCAGGTGTCCGCC
TTTGTGGCCTGGATCTGGGACGTGGTTCGGCGGAGCAGTCCCAGCCCGGCCCTGCCTGGGACCAC
AGGCCCCAGGAGAAGCCGCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-MluI
Plasmid Map:	□
ACCN:	NM_214710
Insert Size:	852 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_214710.4</a></u>
<b>RefSeq Size:</b>	1078 bp
<b>RefSeq ORF:</b>	852 bp
<b>Locus ID:</b>	400668
<b>UniProt ID:</b>	<u><a href="#">Q6UWY2</a></u>
<b>Cytogenetics:</b>	19p13.3
<b>Protein Families:</b>	Protease
<b>MW:</b>	30.3 kDa
<b>Gene Summary:</b>	<p>This gene encodes an arginine-specific serine protease and member of the peptidase S1 family of proteins. The encoded protein may undergo proteolytic activation before storage in azurophil granules, in neutrophil cells of the immune system. Following neutrophil activation, the protease is released into the pericellular environment, where it may play a role in defense against microbial pathogens. [provided by RefSeq, Jul 2016]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>