

Product datasheet for SC111757

PRSS21 (NM_006799) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRSS21 (NM_006799) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRSS21
Synonyms:	ESP-1; ESP1; TEST1; TESTISIN
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111757 sequence for NM_006799 edited (data generated by NextGen Sequencing)

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ATGGGCGCGCGGGGCGCTGCTGCTGGCGCTGCTGCTGGCTCGGGCTGGACTCAGGAAG
CCGGAGTCGCAGGAGGCGCGCCCTTATCAGGACCATGCGGCCGACGGGCATCAGTCCG
CGCATCGTGGGTGGAGAGGACGCGAACTCGGGCGTTGGCCGTGGCAGGGGAGCCTGCGC
CTGTGGGATTCACGATGCGGAGTGAGCCTGCTCAGCCACCGCTGGGCACTCACGGCG
GCGCACTGCTTTGAAACCTATAGTGACCTTAGTGATCCCTCCGGGTGGATGGTCCAGTTT
GGCCAGCTGACTTCCATGCCATCCTTCTGGAGCCTGCAGGCCTACTACACCCGTTACTTC
GTATCGAATATCTATCTGAGCCCTCGCTACCTGGGGAATTCACCCTATGACATTGCCTTG
GTGAAGCTGTCTGCACCTGTACCTAACTAAACACATCCAGCCCATCTGTCTCCAGGCC
TCCACATTTGAGTTTGAGAACCAGGACAGACTGCTGGGTGACTGGCTGGGGGTACATCAA
GAGGATGAGGCACTGCCATCTCCACACCCCTCCAGGAAGTTCAGGTCGCCATCATAAAC
AACTCTATGTGCAACCACCTCTTCTCAAGTACAGTTTCCGCAAGGACATCTTTGGAGAC
ATGTTTTGTGCTGGCAATGCCAAGCGGGAAGGATGCCTGCTTCGGTGACTCAGGTGGA
CCCTTGGCCTGTAACAAGAATGGACTGTGGTATCAGATTGGAGTCGTGAGCTGGGGAGTG
GGCTGTGGTCGGCCCAATCGGCCCGGTGTCTACACCAATATCAGCCACCACTTTGAGTGG
ATCCAGAACTGATGGCCAGAGTGGCATGTCCAGCCAGACCCCTCCTGGCCACTACTC
TTTTCCCTCTTCTGCGCTCTCCACTCCTGGGGCCGGTCTGA

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Clone variation with respect to NM_006799.2
84 g=>c;894 g=>a



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006799 unedited
 CAGAATTTGTATACGACNACTATAGGCGGCACGCGAATTCGCACCAGCCTGGGCGCGCGC
 GGGGCGCTGCTGCTGGCGCTGCTGCTGGCTCGGGCTGGACTCATGAAGCCGGAGTCGCAG
 GAGGCGGCGCCCTTATCATGACCATGCGGCCGACGGGTATCACGTCGCGCATCGTGGGT
 GGAGAGGACGCCGAACCTCGGGCCTTGGCCGTGGCAGGGGAGCCTGCGCCTGTGGGATTCC
 CACGTATGCGGAGTGAGCCTGCTCAGCCACCGCTGGGCACTCACGGCGGCGCACTGCTTT
 GAAACCTATAGTGACCTTATTGATCCCTCCGGTGGATGGTCCAGTTTGGCCAGTACTGACT
 TCCATGCCATCCTTCTGGAGCCTGCAGGCCTACTACACCGTACTTTCGTATCGAATATC
 TATCTGAGCCCTCGTACTCTGGGAATTCACCCTATGACATTGCCTTGGTGAAGCTGTCT
 GCACCTGTACCTAACAACACATCCAGCCATCTGTCTCCAGGCCTCCACATTTGAG
 TTTGAGAACCGGACAGACTGCTGGGTGACTGGCTGGGGTACATCAAAGATGATGATGCA
 CTGCCATCTCCACACCCTCCATGAAGTTCATGTCGCCATCATAAACTCTATGTGC
 AACCACTCTTCAAGTACAGTTTCCGCAAAGACATCTTGGAGACATGGTTTGTGCT
 GGGCATGCCAAGCGGGATGATGCCTGCTTCGGTGACTCATGTGGACCCTTGGGCTGT
 ACAAGATGGACTGTGGTATCANATTGGATTCNTGAGCTGGGGAGTGGGCTGTGGTTCGN
 CCAATCGNCCGGTGTCTACACCATATCAGCCACCACTTGGAGTATCCAATCTGATGC
 CCATAGTGCATGTNCCANAGACCTNCTGGCACTACTCTTTACTCTCTGACTCTCCA
 CTCTGAGACGA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006799 unedited
 ACAGGAGNAANAACCAGGTCTGACTTGGCAGTGGCCCCAGGCTGCATGGGCTCATGTA
 GGCTCAGACCGGCCCCGGGAGTGGGAGAGCCAAATAATAAGTAAAAATATTAGTGGCCA
 GGAGGGGCTGGCTGGGTACATGCCACTCTGGCCATCATCTCCTGTTTTTTTTTCTTAG
 GGTGGCTGATATTGGTGTAGACGCGTTTTTATTGCCCCACCACGGTCTACTCCAAAC
 TCACGAATTCATTTGATACCACAGTCCATTCTTGTACCGCCATCGGTTTACCTGTA
 TCACCGATATCATGATTTCTCCGCCTTGGCATTGTCAGCACACACCATGTCTCCAAA
 GATGTTCTGTGGAACTGTACTTGAGGAACAGGGGTTGCCATACAAGTGTATGAT
 GGCGACCTGAATTTCTTGCAGGTGTGGGAGATGCCATTTCCCTTTCTTTGCCGTTCT
 TTCCCGTCATTTCTCAACAGTCTGTCCGGTCTCCACTTCCATGTGGGCGCATGGACC
 ACCGATGGGCTTGGATGTGTTTAGTGAAGTGACACGTTGTCAAGTTTCTCAAGCA
 AAGGTTTATGGTGATTTTCCCGGTTTGGGGGTTATCTTTTCTTTTACTCCAAGCA
 AACGTTTTCGTCCGCCCCGAGCTCGAATACAGATTACATGGAAGGCTAATTGGCTCAAG
 CTGACAATCCCATGTGAGGATTCCTTATTGCCATTTTCGCTCTTCAAGGAGTACGCCCC
 CCTCCGAGTCGCGTGGTGGCTTGTGCAGCCTATGTCAGTTTTGTTAGAATCCGTCAGTGT
 GTTGGGCTCN

Restriction Sites:

NotI-NotI

ACCN:

NM_006799

Insert Size:

1250 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_006799.2 , NP_006790.1
RefSeq Size:	1165 bp
RefSeq ORF:	945 bp
Locus ID:	10942
UniProt ID:	Q9Y6M0
Cytogenetics:	16p13.3
Domains:	Tryp_SPc
Protein Families:	Druggable Genome
Gene Summary:	<p>This gene encodes a cell-surface anchored serine protease, which is a member of the trypsin family of serine proteases. The encoded protein is predicted to be active on peptide linkages involving the carboxyl group of lysine or arginine. The encoded protein localizes to the cytoplasm and the plasma membrane of premeiotic testicular germ cells and may be involved in progression of testicular tumors of germ cell origin. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>