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Product datasheet for SC306197

PRSS21 (NM_144956) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRSS21 (NM_144956) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRSS21
Synonyms:	ESP-1; ESP1; TEST1; TESTISIN
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306197 representing NM_144956. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGGCGCGCGCGGGGCGCTGCTGCTGGCGCTGCTGCTGGCTCGGGCTGGACTCAGGAAGCCGGAGTCG CAGGAGGCGGCGCCGTTATCAGGACCATGCGGCCGACGGGTCATCACGTCGCGCATCGTGGGTGGAGAG GACGCCGAACTCGGGCGTTGGCCGTGGCAGGGGAGCCTGCGCCTGTGGGATTCCCACGTATGCGGAGTG AGCCTGCTCAGCCACCGCTGGGCACTCACGGCGGCGCACTGCTTTGAAACTGACCTTAGTGATCCCTCC GGGTGGATGGTCCAGTTTGGCCAGCTGACTTCCATGCCATCCTTCTGGAGCCTGCAGGCCTACTACACC CGTTACTTCGTATCGAATATCTATCTGAGCCCTCGCTACCTGGGGAATTCACCCTATGACATTGCCTTG GTGAAGCTGTCTGCACCTGTCACCTACACTAAACACATCCAGCCCATCTGTCTCCAGGCCTCCACATTT GAGTTTGAGAACCGGACAGACTGCTGGGTGACTGGCTGGGGGTACATCAAAGAGGATGAGGCACTGCCA TCTCCCCACACCCTCCAGGAAGTTCAGGTCGCCATCATAAACAACTCTATGTGCAACCACCTCTTCCTC AAGTACAGTTTCCGCAAGGACATCTTTGGAGACATGGTTTGTGCTGGCAATGCCCAAGGCGGGAAGGAT GCCTGCTTCGGTGACTCAGGTGGACCCTTGGCCTGTAACAAGAATGGACTGTGGTATCAGATTGGAGTC GTGAGCTGGGGAGTGGGCTGTGGTCGGCCCAATCGGCCCGGTGTCTACACCAATATCAGCCACCACTTT GAGTGGATCCAGAAGCTGATGGCCCAGAGTGGCATGTCCCAGCCAGACCCCTCCTGGCCGCTACTCTTT TTCCCTCTTCTCTGGGCTCTCCCACTCCTGGGGCCGGTCTGA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
Plasmid Map:	
ACCN:	NM_144956

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Insert Size:	939 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).
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:	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_144956.2
RefSeq Size:	1162 bp
RefSeq ORF:	939 bp
Locus ID:	10942
UniProt ID:	Q9Y6M0
Cytogenetics:	16p13.3
Protein Families:	Druggable Genome
MW:	34.6 kDa
Gene Summary:	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 (2) uses an alternate splice site in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than 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.