

Product datasheet for **SC332943**

PRSS21 (NM_001270452) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PRSS21 (NM_001270452) Human Untagged Clone
Tag: Tag Free
Symbol: PRSS21
Synonyms: ESP-1; ESP1; TEST1; TESTISIN
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332943 representing NM_001270452.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGGCGCGCGGGGCGCTGCTGCTGGCGCTGCTGCTGGCTCGGGCTGGACTCAGGAAGCCGGAGTCG
CAGGAGGCGGCGCGTTATCAGGACCATGCGGCCGACGGGTCATCACGTCGCGCATCGTGGTGGAGAG
GACGCCGAACTCGGGCGTTGGCCGTGGCAGGGGAGCCTGCGCCTGTGGGATTCACACGTATGCGGAGTG
AGCCTGCTCAGCCACCGCTGGGCACTCACGGCGGCGCACTGCTTTGAAACTGACCTTAGTGATCCCTCC
GGGTGGATGGTCCAGTTGGCCAGCTGACTTCCATGCCATCCTTCTGGAGCCTGCAGGCCTACTACACC
CGTTACTTCGTATCGAATATCTATCTGAGCCCTCGCTACCTGGGAATTCACCCTATGACATTGCCTTG
GTGAAGCTGTCTGCACCTGTCACCTACACTAAACACATCCAGCCCATCTGTCTCCAGGCCTCCACATTT
GAGTTTGAGAACCGGACAGACTGCTGGGTGACTGGCTGGGGGTACATCAAAGAGGATGAGGGAAGTTCA
GGTCGCCATCATAAACTCTATGTGCAACCCTCTTCTCAAGTACAGTTTCCGCAAGGACATCTT
TGGAGACATGGTTTGTGCTGGCAATGCCAAGGCGGGAAGGATGCCTGCTTCGGTGA
```

Restriction Sites: SgfI-MluI
ACCN: NM_001270452
Insert Size: 678 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).



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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_001270452.1](#)

RefSeq Size: 1136 bp

RefSeq ORF: 678 bp

Locus ID: 10942

UniProt ID: [Q9Y6M0](#)

Cytogenetics: 16p13.3

Protein Families: Druggable Genome

MW: 25.5 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 (4) uses two alternate splice sites in the coding region, which results in a frameshift, compared to variant 1. The encoded isoform (4) is shorter and has a distinct C-terminus, compared to 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.