

Product datasheet for **SC313796**

PRSS16 (NM_005865) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | PRSS16 (NM_005865) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | PRSS16 |
| Synonyms: | TSSP |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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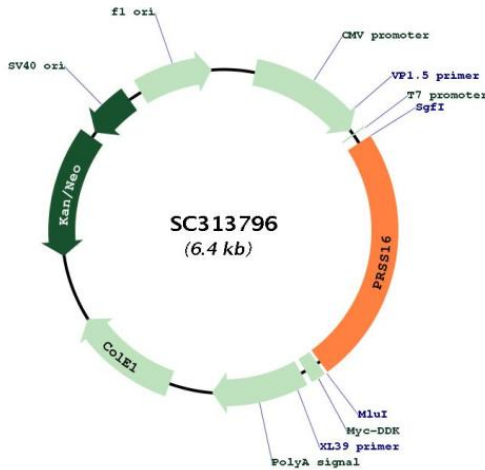
Fully Sequenced ORF: >SC313796 representing NM_005865.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCGCTGGCTTGGCCAGTGGTGGCCCTGCTCTTGGTTCCCTCTGGGGACTCTTGGCTCCA
GCCTCCCTCTTAGCGCCTGGGTGAGCACATTCAGCAGTTTCAGGAGAGCTCTGCCAGGGCCTGGGC
CTGAGCCTGGGGCCAGGTGCTGCAGCCCTCCAAAAGTGGGTGGCTGGAGCAACTGCTGGACCCCTTC
AACGTGTCCGACAGACGATCCTTCTACAGCGTACTGGTGAATGACCAACATTGGGTTGGCCAGGAT
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CCTGCTGGAGGCCTGAAATGGCCAGCTCCGCTTCTGTCCAGCCGCTTGCCTGGCTGATGTGGTC
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TGTCTTTCTCCAGCTCCAGCACTGCCCTCCAGCTAGACTATGTGAGCAGGTGTTTGGCTCTCA
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TCCCCAGCTCCGCTAGGGGCCAGAACATCTCCAGCAGCTACAGACCTGGCTCAAGCTGGCAAAG
GAGAGCCAGATTAAGGGTGAAGTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
    
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Restriction Sites: Sgfl-MluI

Plasmid Map:



ACCN: NM_005865

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| Insert Size: | 1545 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: | <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_005865.3 |
| RefSeq Size: | 2881 bp |
| RefSeq ORF: | 1545 bp |
| Locus ID: | 10279 |
| UniProt ID: | Q9NQE7 |
| Cytogenetics: | 6p22.1 |
| Protein Families: | Druggable Genome, Protease, Transmembrane |
| MW: | 55 kDa |
| Gene Summary: | This gene encodes a serine protease expressed exclusively in the thymus. It is thought to play a role in the alternative antigen presenting pathway used by cortical thymic epithelial cells during the positive selection of T cells. The gene is found in the large histone gene cluster on chromosome 6, near the major histocompatibility complex (MHC) class I region. A second transcript variant has been described, but its full length nature has not been determined. [provided by RefSeq, Jul 2008] |