

## Product datasheet for **SC126507**

### PRSS23 (NM\_007173) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRSS23 (NM_007173) Human Untagged Clone
Tag:	Tag Free
Symbol:	PRSS23
Synonyms:	SIG13; SPUVE; ZSIG13
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC126507 sequence for NM_007173 edited (data generated by NextGen Sequencing)

```

ATGGCAGGGATTCCAGGGCTCCTCTTCTCTCTTTCTGCTCTGTGCTGTTGGGCAA
GTGAGCCCTTACAGTGCCCCCTGAAACCCACTTGGCCTGCATACCGCCTCCCTGTCGT
TTGCCCCAGTCTACCCTCAATTTAGCCAAGCCAGACTTTGGAGCCGAAGCCAAATTAGAA
GTATCTTCTTCATGTGGACCCAGTGTCATAAGGGAACCTCACTGCCACTTACGAAGAG
GCCAAGCAATATCTGTCTATGAAACGCTCTATGCCAATGGCAGCCGCACAGAGACGCAG
GTGGGCATCTACATCCTCAGCAGTAGTGGAGATGGGGCCCAACCCGAGACTCAGGGTCT
TCAGGAAAGTCTCGAAGGAAGCGGCAGATTTATGGCTATGACAGCAGGTTCAGCATTTTT
GGGAAGGACTTCCTGCTCAACTACCCTTTCTCAACATCAGTGAAGTTATCCACGGGCTGC
ACCGGCACCCTGGTGGCAGAGAAGCATGTCCTCACAGCTGCCACTGCATACACGATGGA
AAAACCTATGTGAAAGGAACCCAGAAGCTTCGAGTGGGCTTCCTAAAGCCAAAGTTTAAA
GATGGTGGTTCGAGGGGCCAACGACTCCACTTCAGCCATGCCCCAGCAGATGAAATTTAG
TGGATCCGGGTGAAACGCACCCATGTGCCCAAGGGTTGGATCAAGGGCAATGCCAATGAC
ATCGGCATGGATTATGATTATGCCCTCCTGGAACCTCAAAAAGCCCCACAAGAGAAAATTT
ATGAAGATTGGGGTGAGCCCTCTGCTAAGCAGCTGCCAGGGGGCAGAATCACTTCTCT
GGTTATGACAATGACCGACCAGGCAATTTGGTGTATCGCTTCTGTGACGTCAAAGACGAG
ACCTATGACTTGTCTACCAGCAATGCGATGCCAGCCAGGGGCCAGCGGTCTGGGGTC
TATGTGAGGATGTGGAAGAGACAGCAGCAGAAGTGGGAGCGGAAAAATTATTGGCATTTT
TCAGGGCACCAAGTGGGTGGACATGAATGGTTCCCCACAGGATTTCAACGTGGCTGTCAGA
ATCACTCTCTCAAATATGCCAGATTTGCTATTGGATTAAGGAAACTACCTGGATTGT
AGGGAGGGGTGA

```

Clone variation with respect to NM\_007173.4



[View online »](#)

<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_007173 unedited AATTTGTAATACGACTACTATAGGGCGGCCGGAATTCGGCACGAGGGCGGGGCAGGC ATGGGAGCCGCGCTCTCTCCCGGCCACACCTGTCTGAGCGGCGCAGCGAGCCGCG GCCCGGGCGGGCTGCTCGGCGCGAACAGTGCTCGGCATGGCAGGGATTCCAGGGCTCCT CTTCTTCTCTTTCTGCTCTGTGCTGTTGGCAAGTGAGCCCTTACAGTGCCCCCTG GAAACCACTTGGCCTGCATACCGCCTCCCTGTCGTCTTGCCCCAGTCTACCTCAATTT AGCCAAGCCAGACTTTGGAGCCGAGCCAAATTAGAAGTATCTTCTTCATGTGGACCCA GTGTCATAAGGGAACCTCCACTGCCCACTTACGAAGAGGCCAAGCAATATCTGTCTTATGA AACGCTCTATGCCAATGGCAGCCGCACAGAGACGAGGTGGGCATCTACATCCTCAGCAG TAGTGGAGATGGGGCCCAACACCGAGACTCAGGGTCTTCAGGAAAGTCTCGAAGGAAGCG GCAGATTTATGGCTATGACAGCAGGTTCCAGCATTTTTGGGAAGGACTTCCTGCTCAACTA CCCTTTCTCAACATCAGTGAAGTTATCCACGGGCTGCACCGGCACCCTGGTGGCAGAGAA GCATGTCCTCACAGCTGCCCACTGCATACAGATGGAAAACTATGTGAAAGGAACCCA GAAGCTTCGAGTGGGCTTCTAAAGCCCCAGTTAAAGATGGTGGTTCGAGGGGCCAACGAC TCCACTTCAGCCATGCCCGAGCAGATGAAATTCAGGGGATCCCGGTGAACGCACCCAGTG CCCAAGGTTTGATCAAGGGCAAGCCAAAGACATCGGN
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_007173
<b>Insert Size:</b>	3330 bp
<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>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>	<a href="#">NM_007173.3</a> , <a href="#">NP_009104.1</a>
<b>RefSeq Size:</b>	3750 bp
<b>RefSeq ORF:</b>	1152 bp
<b>Locus ID:</b>	11098
<b>UniProt ID:</b>	<a href="#">O95084</a>
<b>Cytogenetics:</b>	11q14.2
<b>Protein Families:</b>	Druggable Genome, Protease, Secreted Protein

**Gene Summary:**

This gene encodes a conserved member of the trypsin family of serine proteases. Mouse studies found a decrease of mRNA levels of this gene after ovulation was induced. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]

Transcript Variant: This variant (1) encodes the longest isoform (a).