

## Product datasheet for **RG201575**

### PRSS23 (NM\_007173) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PRSS23 (NM_007173) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRSS23
Synonyms:	SIG13; SPUVE; ZSIG13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG201575 representing NM_007173 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCAGGGATTCCAGGGCTCCTCTTCTCTCTTTCTGCTCTGTGCTGTTGGGCAAGTGAGCCCTT  
ACAGTGCCCCCTGGAAACCCACTTGGCCTGCATACCGCTCCCTGTCGTCTTGCCCCAGTCTACCCTCAA  
TTTAGCCAAGCCAGACTTTGGAGCCGAAGCCAAATTAGAAGTATCTTCTTCATGTGGACCCAGTGCAT  
AAGGGAACCTCCACTGCCACTTACGAAGAGGCCAAGCAATATCTGTCTTATGAAACGCTCTATGCCAATG  
GCAGCCGCACAGAGACGCAGGTGGGCATCTACATCCTCAGCAGTAGTGGAGATGGGGCCCAACACCGAGA  
CTCAGGGTCTTCAGGAAAGTCTCGAAGGAAGCGGCAGATTTATGGCTATGACAGCAGGTTACGATTTTT  
GGGAAGGACTTCCTGCTCAACTACCCTTCTCAACATCAGTGAAGTTATCCACGGGCTGCACCGGCCCC  
TGGTGGCAGAGAAGCATGTCCTCACAGCTGCCACTGCATACACGATGGAAAAACCTATGTGAAAGGAAC  
CCAGAAGCTTCGAGTGGGCTTCTAAAGCCCAAGTTTAAAGATGGTGGTCGAGGGGCCAACGACTCCACT  
TCAGCCATGCCCGAGCAGATGAAATTCAGTGGATCCGGGTGAAACGCACCCATGTGCCAAGGGTTGGA  
TCAAGGCAATGCCAATGACATCGGCATGGATTATGATTATGCCCTCCTGGAACCAAAAAGCCCCACAA  
GAGAAAAATTTAAGATTGGGGTGAGCCCTCTGCTAAGCAGCTGCCAGGGGCCAGAATCACTTCTCT  
GGTTATGACAATGACCGACCGCAATTTGGTGTATCGCTTCTGTGACGTCAAAGACGAGACCTATGACT  
TGCTTACCAGCAATGCGATGCCAGCCAGGGGCCAGCGGTCTGGGGTCTATGTGAGGATGTGGAAGAG  
ACAGCAGCAGAAGTGGGAGCGAAAAATTATTGGCATTTTTTTCAGGGCACCAAGTGGGTGGACATGAATGGT  
TCCCCACAGGATTTCAACGTGGCTGTCAGAATCACTCCTCTCAAATATGCCAGATTTGCTATTGGATTA  
AAGGAACTACCTGGATTGTAGGGAGGGG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG201575 representing NM\_007173  
 Red=Cloning site Green=Tags(s)

MAGIPGLLFLFFLLCAVGQVSPYSAPWKPTWPAYRLPVVLPQSTLNLAKPDFGAEAKLEVSSSCGPQCH  
 KGTPLPITYEEAKQYLSYETLYANGSRTEQVGIYILSSSGDGAQHRDSGSGKSRKRQIYGYSRFSIF  
 GKDFLLNYPFSTSVKLSGTCTGLVAEKHVL TAAHCIHDGKTYVKGTKQLRVGFLKPKFKDGGRGANDST  
 SAMPEQMKFQWIRVKRTHVPKGWIKGNANDIGMDYDYLLELKKPHKRKFMKIGVSPPAKQLPGGRIHFS  
 GYDNDRPGNLVYRFCDVKDETYDLLYQQCDAQPGASGSGVYVRMWRQKQKWERKIIIGIFSGHQWVDMNG  
 SPQDFNVAVRITPLKYAQICYWIKGNYLDCREG

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_007173

**ORF Size:** 1149 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_007173.6](#)

**RefSeq Size:** 3806 bp

**RefSeq ORF:** 1152 bp

**Locus ID:** 11098

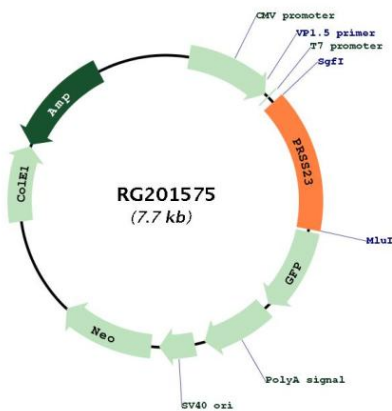
**UniProt ID:** [O95084](#)

**Cytogenetics:** 11q14.2

**Protein Families:** 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]

**Product images:**



Circular map for RG201575