

Product datasheet for **RG231117**

PRSS55 (NM_001197020) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PRSS55 (NM_001197020) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PRSS55
Synonyms:	CT153; T-SP1; TSP1; UNQ9391
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG231117 representing NM_001197020 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTCCTGTTCTCAGTGTGCTGCTCCTGTCCCTGGTCACGGGAATCAGCTCGGTCCACGGACTCCTC
TCCAGAGGCTGGAGTGGCTATCCTAGGCAGGGCTAGGGGAGCCACGCCCTCAGCCCCCTCATCCCC
CAGCCCAGTCAGTGAATGTGGTGACAGATCTATTTTCGAGGGAAGAACTCGGTATTCCAGAATCACAGG
GGGATGGAGGCGGAGGTGGTGAGTTCCGTGGCAGGTGAGTATTCAGGCAAGAAGTGAACCTTTCTGTG
GCGGCTCCATCCTCAACAAGTGGTGGATTCTCACTGCGGCTCACTGCTTATATTCGAGGAGCTGTTTCC
AGAAGAACTGAGTGTGCTGCTGGGACCAACGACTTAAGTACCCATCCATGGAAATAAAGGAGGTGCGC
AGCATCATTCTTCACAAAGACTTAAAGAGAGCCAACATGGACAATGACATTGCCTTGCTGCTGCTGGCTT
CGCCCATCAAGCTCGATGACCTGAAGGTGCCATCTGCCTCCCCACGAGCCCGGCCCTGCCACATGGCG
CGAATGCTGGGTGGCAGGTTGGGGCCAGACCAATGCTGCTGACAAAACTCTGTGAAAACGGATCTGATG
AAAGCGCAATGGTCATCATGGACTGGGAGGAGTGTTCAAAGATGTTCCAAAACCTACCAAAAATATGC
TGTGTGCCGATACAAGAATGAGAGCTATGATGCCTGCAAGCAAGCTATTTTCCCACTTTACAAAGAAT
GAACACCGGAAGCTCTCAACAAAGCCGCTGGGTCTCACACCTTTCATCTGCAAAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG231117 representing NM_001197020
 Red=Cloning site Green=Tags(s)

MLLFSVLLLLSLVTGTQLGPRTPLPEAGVAILGRARGAHRPQPPHPPSPVSECGDRSIFEGRTRYSRITG
 GMEAEVGEFPWQVSIQARSEPFCCGSILNKWWILTAACHLYSEELFPEELSVVLGTNDLTSPSMEIKEVA
 SIILHKDFKRANMDNDIALLLASPIKLDLKVPICLPTQPGPATWRECWVAGWGQTNAADKNSVKTDLM
 KAPMVIDWEESKMFPKLTKNMLCAGYKNESYDACKQSYFPTLQRMNTGSSQTKPPGSHTFHLQN

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001197020

ORF Size: 828 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_001197020.2](#)

RefSeq Size: 1014 bp

RefSeq ORF: 831 bp

Locus ID: 203074

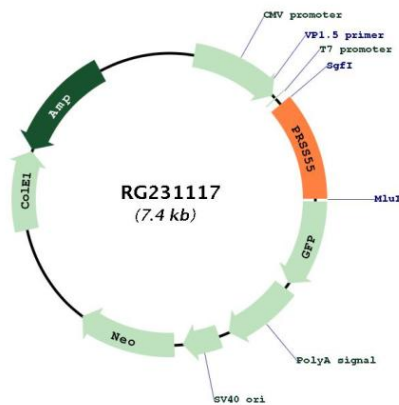
UniProt ID: [Q6UWB4](#)

Cytogenetics: 8p23.1

Protein Families: Druggable Genome

Gene Summary: This gene encodes a member of a group of membrane-anchored chymotrypsin (S1)-like serine proteases. The encoded protein is primarily expressed in the Leydig and Sertoli cells of the testis and may be involved in male fertility. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2010]

Product images:



Circular map for RG231117