

Product datasheet for **RG209109**

PRSS33 (NM_152891) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: PRSS33 (NM_152891) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: PRSS33
 Synonyms: EOS
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG209109 representing NM_152891
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGAGGGGTTTCTGTCTCCAGGTCCTGCTCCTTCTGGTGCTGGGAGCTGCTGGGACTCAGGGAAGGA
 AGTCTGCAGCCTGCGGGCAGCCCCGCATGTCCAGTCGGATCGTTGGGGCCGGGATGGCCGGGACGGAGA
 GTGGCCGTGGCAGGCGAGCATCCAGCATCGTGGGGCACACGTGTGCGGGGGTTCGCTCATCGCCCCCAG
 TGGGTGCTGACAGCGGCGCACTGCTTCCCAGGAGGGCACTGCCAGCTGAGTACCGCGTGCCTGCGGGG
 CGCTGCGTCTGGGCTCCACCTCGCCCCGCACGCTCTCGGTGCCCGTGCACGGGTGCTGCTGCCCCGGA
 CTACTCCGAGGACGGGGCCCGCGGCGACCTGGCACTGCTGCAGCTGCGTGCCTCCGCTGAGCGCT
 CGCGTCCAACCCGTCTGCCTGCCCGTGCCTGGCGCCCGCCGCGCCCGCCCGCCGACACCATGCCGGGTACCG
 GCTGGGGCAGCCTCCGCCAGGAGTGCCCTCCCAGAGTGGCGACCGCTACAAGGAGTAAGGGTGCCGCT
 GCTGGACTCGCGCACCTGCGACGGCCTCTACCAGTGGGCGGGACGTGCCCCAGGCTGAGCGCATTGTG
 CTGCTGGGAGTCTGTGTCCGGCTACCCCAGGGCCACAAGGACGCCTGCCAGGGTGATTCTGGGGAC
 CTCTGACCTGCCTGCAGTCTGGGAGCTGGGTCTGGTGGGCGTGGTGAGCTGGGGCAAGGGTTGTGCCCT
 GCCCAACCGTCCAGGGGTCTACACCAAGTGTGCCACATATAGCCCTGGATTGAGGCTCGCGTCAGCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG209109 representing NM_152891
 Red=Cloning site Green=Tags(s)

MRGVSCLQVLLLLVLGAAGTQGRKSAACGQPRMSSRIVGGRDGRDGEWPWQASIQHRGAHVCGGSLIAPQ
 WVLTAAHCFPRRALPAEYRVRLGALRLGSTSPRTL SVPVRRVLLPPDYSEDGARGDLALLQLRRPVPLSA
 RVQPVCLPVPGARPPPGTPCRVTGWGSLRPGVPLPEWRPLQGVVPLLD SRTCDGLYHVGADVPQAERIV
 LPGSLCAGYPQGHKDACQGDSSGGLTCLQSGSWVLVGVVSWGKGCALPNRPGVYTSVATYSPWIQARVSF

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152891

ORF Size: 840 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_152891.2](#), [NP_690851.2](#)

RefSeq Size: 1694 bp

RefSeq ORF: 843 bp

Locus ID: 260429

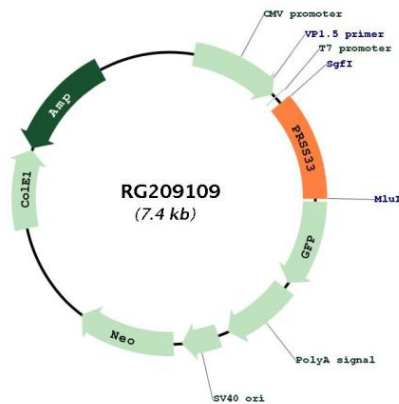
UniProt ID: [Q8NF86](#)

Cytogenetics: 16p13.3

Protein Families: Druggable Genome, Protease

Gene Summary: Serine protease that has amidolytic activity, cleaving its substrates before Arg residues. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG209109