

## Product datasheet for **RG223589**

### Marapsin2 (PRSS38) (NM\_183062) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Marapsin2 (PRSS38) (NM_183062) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Marapsin2
Synonyms:	MPN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG223589 representing NM_183062 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGCCCTGCTCCGTCATGGGCCACTCGGGCCCTCTGCCCTGGGCCTTCTGCTGCTGCTCCTGG  
TGGTGGCCCTCCCGGGTCGCAGCATTGGTCCACAGACAGCCAGAGAACCAGGGAATCTCCCTAACTGG  
CAGCGTGGCCTGTGGTCGGCCAGCATGGAGGGAAAAATCCTGGGCGCGTCCCTGCGCCCAGAGGAAG  
TGGCCGTGGCAGGTCAGCGTCACTACGCAGGCCCTCCACGTCTGCGGCGGCTCCATCCTCAATGAGTACT  
GGGTGCTGTGAGCTGCGCACTGCTTTCACAGGGACAAGAATATCAAATCTATGACATGTACGTAGGCCCT  
CGTAAACCTCAGGGTGGACGGCAACCACACCCAGTGGTATGAGGTGAACAGGGTATCCTGCACCCACACA  
TATGAGATGTACCACCCATCGGAGGTGACGTGGCCCTGGTGCAGCTGAAGACCCGATTGTGTTTTCTG  
AGTCCGTGCTCCCGGTTTGCCTTGAACCTCCAGAAGTGAACCTTACCAGTGCCAATTGCTGGGCTACGGG  
ATGGGGACTAGTCTAAAAACAAGGTGAGACCTCAGACGAGCTGCAGGAGGTGCAGCTCCCGCTGATCCTG  
GAGCCCTGGTGCCACCTGCTCTACGGACACATGTCTACATCATGCCGACATGTGTGTGCTGGGGACA  
TCCTGAATGCTAAGACCGTGTGTGAGGGCGACTCCGGGGCCCACTTGTCTGTGAATTCAACCGCAGCTG  
GTTGCAGATTGGAATTGTGAGCTGGGGCCGAGGCTGCTCAACCCCTGTACCCTGGAGTGTATGCCAGT  
GTTTCCTATTTCTAAAAATGGATATGTATAACATAGAAATCACGCCCACTCCTGCTCAGCCAGCCCTG  
CTCTCTCCAGCTCTGGGGCCCACTCTCAGCGTCTAATGGCCATGCTGGCTGGCTGGTGTGCTGCTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG223589 representing NM\_183062  
Red=Cloning site Green=Tags(s)

MAAPASVMGPLGPSALGLLLLLVVAPPRVAALVHRQPENQGISLTGSVACGRPSMEGKILGGVPAPERK  
 WPWQVSVHYAGLHVCGGSILNEYWVLSAAHCFHRDKNIKIYDMYVGLVNLRVLDGNHTQWYEVNVRILHPT  
 YEMYHPIGGDVALVQLKTRIVFSESVLPVCLATPEVNLT SANCWATGWGLVSKQGETSDELQEVQLPLIL  
 EPWCHLLYGHMSYIMPDMLCAGDILNAKTVCEGDSGGPLVCEFNRSWLQIGIVSWGRGCSNPLYPGVYAS  
 VSYFSKWICDNIEITPTPAQPAPALSPALGPTLSVLMAMLAGWSVL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_183062

**ORF Size:** 978 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\\_183062.2](#), [NP\\_898885.1](#)

**RefSeq Size:** 1243 bp

**RefSeq ORF:** 981 bp

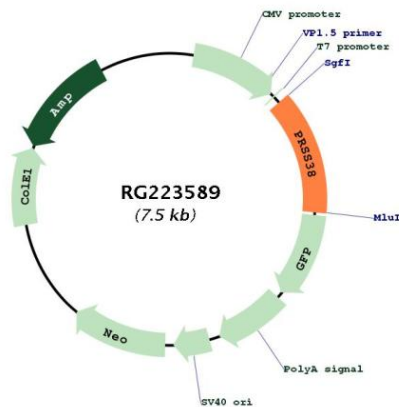
**Locus ID:** 339501

**UniProt ID:** [A1L453](#)

**Cytogenetics:** 1q42.13

**Protein Families:** Druggable Genome

**Product images:**



Circular map for RG223589