

## Product datasheet for **RG233691**

### PRRT2 (NM\_001256443) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PRRT2 (NM\_001256443) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** PRRT2  
**Synonyms:** BFIC2; BFIS2; DSPB3; DYT10; EKD1; FICCA; ICCA; IFITMD1; PKC  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG233691 representing NM\_001256443  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCAGCCAGCAGCTCTGAGATCTCTGAGATGAAGGGGTTGAGGAGAGTCCCAAGTTCCAGGCGAAG  
 GGCCTGGCATTCTGAAGCTGAACTGGCCCTCCCAGGTCTAGCAGGGGTACCAGACCAGCCAGAGGC  
 CCCGACGCAAGTCCAAACACCACTGCGGCCCTGTGGACTCAGGGCCCAAGGCTGGCTGGCTCCAGAA  
 ACCACAGAGACCCCGGCTGGGGCTCAGAAACAGCCAGGCCACAGACCTCAGCTTAAGCCAGGAGGGG  
 AATCAAAGGCCAACTGCAGCCCCGAAGACCCATGCCAAGAAACAGTGTCAAACCAGAAGTGAGCAAAGA  
 GGCCACTGCAGACCAGGGGTCCAGGCTGGAGTCTGCAGCCCCACCTGAACCAGCCCCAGAGCCTGTCCC  
 CAACCAGACCCCGGCCAGATTCACAGCCTACCCCAAGCCAGCCCTTCAACCAGAGCTCCCTACCCAGG  
 AGGACCCACCCCTGAGATTCTGTCTGAGAGTGTAGGGGAAAAGCAAGAGAATGGGGCAGTGGTGGCCCT  
 GCAGGCTGGTGTGGGGAAGAGGGCCAGCCCTGAGCCTCACTCACCACCCTCAAAAAATCCCCCCA  
 GCCAATGGGGCCCCCCCCGAGTGTGCAGCAGCTGGTTGAGGAGGATCGAATGAGAAGGGCACACAGTG  
 GGCATCCAGGATCTCCCGAGGTAGCCTGAGCCGCCACCCAGCTCCAGCTGGCAGGTCTGGGGTGA  
 GGGGGTGAAGGCACCCAGAAACCTCGGACTACATCATCCTTGCCATCCTGTCTGCTTCTGCCCATG  
 TGGCCTGTCAACATCGTGGCCTTCGCTTATGCTGTCATGGTGGAGCCCATGGGACCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG233691 representing NM\_001256443  
Red=Cloning site Green=Tags(s)

MAASSSEISEMKGVVEESPKVPGEVGHSEAEETGPPQVLAGVPDQPEAPQPGPNTTAAPVDSGPKAGLAPE  
 TTETPAGASETAQATDLSLSPGGESKANCSPEDPCQETVSKPEVSKEATADQGSRLSESAAPPEPAPEPAP  
 QPDRPDSQPTPKPALQPELPTQEDPTPEILSESVGEKQENGAVVPLQAGDGEEGPAPEPHSPPSKKSP  
 ANGAPRVLQQLVEEDRMRRRAHSGHPGSPRGLSRHPSSQLAGPVEGEGTQKPRDYIILAILSCFCPM  
 WPVNIVAFAYAVMVSPMGP

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001256443

**ORF Size:** 897 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\\_001256443.1](#), [NP\\_001243372.1](#)

**RefSeq Size:** 3195 bp

**RefSeq ORF:** 900 bp

**Locus ID:** 112476

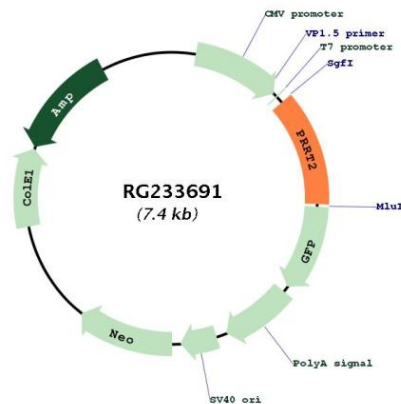
**UniProt ID:** [Q7Z6L0](#)

**Cytogenetics:** 16p11.2

**Protein Families:** Transmembrane

**Gene Summary:** This gene encodes a transmembrane protein containing a proline-rich domain in its N-terminal half. Studies in mice suggest that it is predominantly expressed in brain and spinal cord in embryonic and postnatal stages. Mutations in this gene are associated with episodic kinesigenic dyskinesia-1. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]

## Product images:



Circular map for RG233691