

Product datasheet for **RG233971**

PRRT2 (NM_001256442) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PRRT2 (NM_001256442) 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: >RG233971 representing NM_001256442
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGCCAGCAGCTCTGAGATCTCTGAGATGAAGGGGTTGAGGAGAGTCCCAAGTTCCAGGCGAAG
 GGCCTGGCCATTCTGAAGCTGAACTGGCCCTCCCAGGTCTAGCAGGGGTACCAGACCAGCCAGAGGC
 CCCGCAGCCAGGTCCAACACCACTGCGGCCCTGTGGACTCAGGGCCCAAGGCTGGGCTGGCTCCAGAA
 ACCACAGAGACCCCGGCTGGGGCTCAGAAACAGCCAGGCCACAGACCTCAGCTTAAGCCAGGAGGGG
 AATCAAAGGCCAACTGCAGCCCCGAAGACCCATGCCAAGAAACAGTGTCAAACCAGAAGTGAGCAAAGA
 GGCCACTGCAGACCAGGGGTCCAGGCTGGAGTCTGCAGCCCCACCTGAACCAGCCCCAGAGCCTGCTCCC
 CAACCAGACCCCGGCCAGATTCACAGCCTACCCCAAGCCAGCCCTTCAACCAGAGCTCCCTACCCAGG
 AGGACCCACCCCTGAGATTCTGTCTGAGAGTGTAGGGGAAAAGCAAGAGAATGGGGCAGTGGTGCCCT
 GCAGGCTGGTGATGGGGAAGAGGGCCAGCCCTGAGCCTCACTCACCACCCTCAAAAAATCCCCCCA
 GCCAATGGGGCCCCCCCCGAGTGTGCAGCAGCTGGTTGAGGAGGATCGAATGAGAAGGGCACACAGTG
 GGCATCCAGGATCTCCCGAGGTAGCCTGAGCCGCCACCCAGCTCCAGCTGGCAGGTCTGGGGTGA
 GGGGGTGAAGGCACCCAGAAACCTCGGACTACATCATCCTTGCCATCCTGTCTGCTTCTGCCCATG
 TGGCCTGCAACATCGTGGCCTTCGCTTATGCTGTCATGTCCCAGAACAGCCTGCAGCAGGGGGACGTGG
 ACGGGGCCAGCGTCTGGCCGGGTAGCCAAGCTCTTAAGCATCGTGGCGCTGGTGGGGGAGTCCCTCAT
 CATCATCGCCTCCTGCGTCATCAACTTAGCGGGTGAAGGGGCTTGGGACAGGCAGGGGAGGAATGGAA
 GGGTTGGCAAGGGCAGCTTTACTAACCCCTGCCCTGCTCTCTCTGCTGCTCCTCCTTACCTCTCCTTT
 GTCTCTCTTGTCTCCCTCCCCCTGCTGCTCTCCCTCTCTCTCCACAGTGATAAG

ACGGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233971 representing NM_001256442
Red=Cloning site Green=Tags(s)

MAASSSEISEMKGVVEESPKVPGEGPGHSEAETGPPQVLAVPDQPEAPQPGPNTTAAVDSGPKAGLAPE
 TTETPAGASETAQATDLSPGGESKANCSPEDPCQETVSKPEVSKEATADQGSRLLESAAPPEPAPEPAP
 QPDRPDSQPTPKPALQPELPTQEDPTPEILSESVGEKQENGAVVPLQAGDGEEGPAPEPHSPSPKSSPP
 ANGAPPRVLQQLVEEDRMRRRAHSGHPGSPRGLSRHPSSQLAGPGVEGGEGTQKPRDYIILAILSCFCPM
 WPVNIYAFAYAVMSRNSLQQGDVDGAQRLGRVAKLLSIVALVGGVLIILIIASCVINLGGEWGLGTGRGGME
 GLARAALLTPAPALSCLSSLPPLCLSLSPPPPVCPSLSSPTVYK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001256442

ORF Size: 1182 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_001256442.1](#), [NP_001243371.1](#)

RefSeq Size: 2768 bp

RefSeq ORF: 1185 bp

Locus ID: 112476

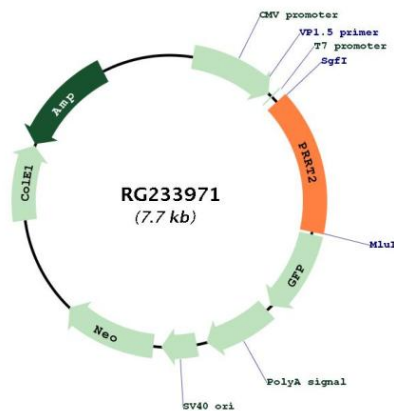
UniProt ID: [Q7Z6L0](#)

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 RG233971