

Product datasheet for **RG218235**

PRY (NM_004676) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PRY (NM_004676) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PRY
Synonyms: PRY1; PTPN13LY
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG218235 representing NM_004676
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGAGCCACTGGGCTTGGCTTTCTACTTTCTGGAGACAAGACAATTTGAATGGCACTGACTGCCAGG
 GATGCAATATTTTATACTTCTCTGAGACTACGGGGAGCATGTGTTCTGAACCTTTCCTTGAACAGAGGTCT
 TGAGGCCAGAAGGAAGGATCTAAAGACTCATTTCTCTGGAGATATGGGAAGTTGGCTGTATCTCA
 CTTCCACTTCGTGAGATACCGCCTGGATTAACCCACCCCAAATTCAGAGATTTTCCAAGGCTACCACC
 AGAGGGTGACCGAGCTGATGCACTGAGCCTGCAACCAACTCTCTGAGAAGCAGGTTATCTTCACAGTG
 CCTCGGACAGAGCTTCTTCTCAGGACTCGAGAGAGGCCGTGGTTTCAGGGCACTTGGGACATCTGT
 GGCCACGTTTCATGAAGAAGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG218235 representing NM_004676
 Red=Cloning site Green=Tags(s)

MGATGLGFLLSWRQDNLNGTDCQGCNILYFSETTGSMCSELSLNRGLEARRKKDLKDSFLWRYGKVGICIS
 LPLREMTAWINPPQISEIFQGYHQRVHGADALSLQTNLSLRSLSQCLGQSFLRLTLERGRGFRALGDIC
 GHVHEED

TRTRPLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/jb1115_e04.zip

Restriction Sites: Sgfl-Mlul



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Cloning Scheme:



ACCN: NM_004676

ORF Size: 441 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_004676.2](#), [NP_004667.2](#)

RefSeq Size: 1238 bp

RefSeq ORF: 444 bp

Locus ID: 9081

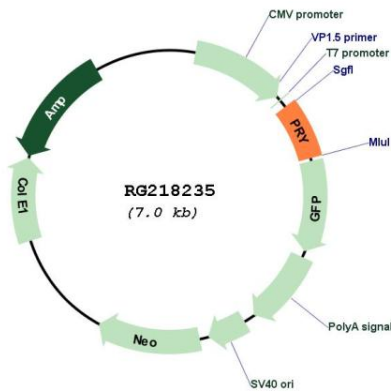
UniProt ID: [O14603](#)

Cytogenetics: Yq11.223

Protein Families: Phosphatase

Gene Summary: This gene is located in the nonrecombining portion of the Y chromosome, and expressed specifically in testis. It encodes a protein which has a low degree of similarity to protein tyrosine phosphatase, non-receptor type 13. Two nearly identical copies of this gene exist within a palindromic region. This record represents the more telomeric copy. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG218235