

Product datasheet for **RG216161**

PRX (NM_020956) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: PRX (NM_020956) Human Tagged ORF Clone
 Tag: TurboGFP
 Symbol: PRX
 Synonyms: CMT4F
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-AC-GFP (PS100010)
 E. coli Selection: Ampicillin (100 ug/mL)
 ORF Nucleotide Sequence: >RG216161 representing NM_020956
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGGCCAGGAGCCGGAGTGCCGAGGAGCTGAGGCGGGCGGAGTTGGTGGAAATTATCGTGGAGACGG
 AGGCGCAGACCGGGTACGCGGCATCAACGTAGCGGGCGCGGCAAGAGGGAATCTTCGTTGGGAGCT
 GCGCGAGGACTCACCCGCCAGGAGCCTCAGCCTGCAGGAAGGGACCAGCTGCTGAGTGCCCGAGTG
 TTCTTCGAGAACTCAAGTACGAGGACGCACTACGCTGCTGCAATGCGCCGAGCCTTACAAAGTCTCT
 TCTGCCTGAAGCGCACTGTGCCACCGGGACCTGGCTCTGCGGCCCGGACCGTGTCTGGCTACGAGAT
 CAAGGGCCCGCGGCCAAGGTGGCCAAGCTGGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG216161 representing NM_020956
 Red=Cloning site Green=Tags(s)

MEARSRAEELRRAELVEIIVETEAQTGVSGINVAGGGKEGIFVRELREDSIPAARSLSLQEGDQLLSARV
 FFENFKYEDALRLLQCAEPYKVSFCLKRTPVPTGDLALRPGTVSGYEIKGPRAKVAKL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

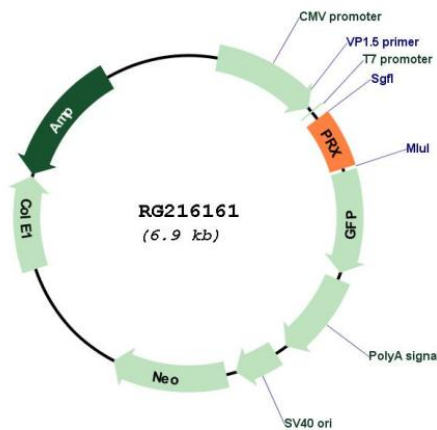


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Cloning Scheme:



Plasmid Map:



ACCN: NM_020956

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](#)

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|-------------------------------|---|
| 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: | <ol style="list-style-type: none">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: | <u>NM_020956.1</u> , <u>NP_066007.1</u> |
| RefSeq Size: | 5502 bp |
| RefSeq ORF: | 444 bp |
| Locus ID: | 57716 |
| UniProt ID: | <u>Q9BXM0</u> |
| Cytogenetics: | 19q13.2 |
| Protein Families: | Druggable Genome |
| Gene Summary: | This gene encodes a protein involved in peripheral nerve myelin upkeep. The encoded protein contains 2 PDZ domains which were named after PSD95 (post synaptic density protein), DlgA (Drosophila disc large tumor suppressor), and ZO1 (a mammalian tight junction protein). Two alternatively spliced transcript variants have been described for this gene which encode different protein isoforms and which are targeted differently in the Schwann cell. Mutations in this gene cause Charcot-Marie-Tooth neuropathy, type 4F and Dejerine-Sottas neuropathy. [provided by RefSeq, Jul 2008] |