

Product datasheet for **RG207561**

Peripherin (PRPH) (NM_006262) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Peripherin (PRPH) (NM_006262) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Peripherin
Synonyms:	NEF4; PRPH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG207561 representing NM_006262
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCCACCACCGTCGGCCCTCGGGCCGGCTTCAGCTCCACCTCATACCGCCGTACCTTCGGTCCAC
 CGCCTCACTATCCCCGGGGCCTTCTCCTACTCGTCCAGCTCCCGCTTCTCCAGCAGCCGCTGCTGGG
 CTCGCGTCCCGGAGCTCCTCGGTGCGCCTGGGACGTTCCGTAGCCCCGAGCGGGAGCGGGCCCTC
 CTGCGCCTGCCCTCGGAGCGCTCGACTTCTCCATGGCCGAGGCCCTCAACCAGGAGTTCCTGGCCACGC
 GCAGCAACGAGAAGCAGGAGCTGCAGGAGCTCAACGACCGCTTCGCCAATTCATCGAGAAGGTACGCTT
 TCTGGAGCAGCAGAACCGGGCCCTGCGCGGGGAGCTGAGCCAAGCCGGGGCCAGGAGCCGGCGCGCC
 GACCAGCTGTGCCAGCAGGAGCTGCGCGAGCTGCGGCGAGAGCTGGAGCTGTTGGCCGCGAGCGTGACC
 GGGTGCAGGTGGAGCGGACGGGCTGGCGGAGGACCTGGCGGCGCTCAAGCAGAGGTTGGAGGAGGAGAC
 GCGCAAGCGGGAGGACCGGGAGCACAACCTCGTCTCTTCGCAAGGACGTGGACGATGCCACTCTGTCC
 CGCCTGGAAGTAGAGCGCAAGATTGAGTCTCTGATGGATGAGATTGAGTTCCTCAAGAAGCTGCACGAGG
 AGGAGCTGCGAGACCTGCAGGTGAGTGTGGAGAGCCAGCAGGTGCAGCAGGTGGAGTGGAAAGCCACGGT
 GAAGCCCAGCTGACGGCAGCGCTGAGGGACATCCGCGCGCAGTACGAGAGCATCGCCGCGAAGAACCCTG
 CAGGAGGCGGAGGAGTGGTACAAGTCCAAGTACGCGGACCTGTCCGACGCTGCCAACCGGAACCACGAGG
 CCCTGCGCCAGGCCAAGCAGGAGATGAACGAGTCCCGACGCCAGATCCAGAGTCTAACGTGCGAGGTGGA
 CGGGCTGCGCGGCACGAACGAGGCGCTGCTCAGGACGTTGAGAGAGCTGGAGGAGCAGTTCGCCCTGGAG
 GCGGGGGGCTACCAGGCGGGCGCTGCGCGGCTCGAGGAGGAGCTGCGACAGCTAAAAGAGGAGATGGCGC
 GGCACCTGAGGGAGTACCAGGAGCTCCTCAACGTCAAGTGGCCCTGGACATCGAGATCGCCACCTACCG
 CAAGTCTGGAGGGCGAGGAGAGCCGGATCTCCGTGCCCGTCCATTCTTTTGCCTCCTTAATATAAAG
 ACGACTGTGCTGAGGTGGAGCCTCCCCAGGACAGCCACAGCCGGAAGACGGTTCTGATCAAGACCATTTG
 AGACCCGGAATGGGGAGGTGGTACAGAGTCCCAGAAGGAGCAGCGCAGTGGAGCTGGACAAGTCTTCTGC
 CCACAGTTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG207561 representing NM_006262
 Red=Cloning site Green=Tags(s)

MSHHPGLRAGFSSTSYRRTFGPPPSLSPGAFSYSSSRFSSRLLGSASPSSSVRLGSFRSPRAGAGAL
 LRLPSERLDFMAEALNQEFLATRSNEKQELQELNDRFANFIEKVRFLQQAALRGELSQAARGQEPARA
 DQLCQQLRELRLRELELLGRERDRVQVERDGLAEDLAALKQRLEEETRKREDAEHNLVLFKRDVDDATLS
 RLELERKIESLMDEIEFLKKLHEEELRDLQVSVESQVQVVEEATVKPELTAALRDIRAQYESIAAKNL
 QEAEWYKSKYADLSDAANRNHEALRQAKQEMNESRRQIQSLTCEVDGLRGTNEALLRQLRELEEQFALE
 AGGYQAGAARLEEELRQLKEEMARHLREYQELLNKMLDIEIATYRKLLEGEESRISVPVHSFASLNIK
 TTVPEVEPPQDHSRKTVLIKTIETRNGEVVTESQKEQRSELDKSSAHSY

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_006262

ORF Size: 1410 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_006262.4](#)

RefSeq Size: 1833 bp

RefSeq ORF: 1413 bp

Locus ID: 5630

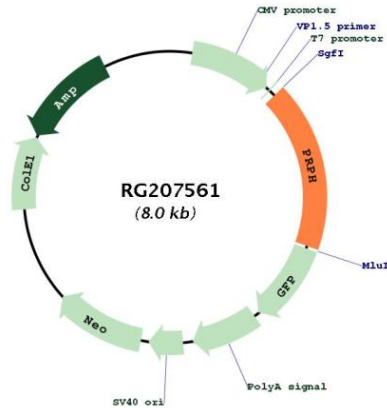
UniProt ID: [P41219](#)

Cytogenetics: 12q13.12

Protein Pathways: Amyotrophic lateral sclerosis (ALS)

Gene Summary: This gene encodes a cytoskeletal protein found in neurons of the peripheral nervous system. The encoded protein is a type III intermediate filament protein with homology to other cytoskeletal proteins such as desmin, and is a different protein that the peripherin found in photoreceptors. Mutations in this gene have been associated with susceptibility to amyotrophic lateral sclerosis. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG207561