

Product datasheet for **SC123831**

Peripherin (PRPH) (NM_006262) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Peripherin (PRPH) (NM_006262) Human Untagged Clone
Tag:	Tag Free
Symbol:	Peripherin
Synonyms:	NEF4; PRPH1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_006262 edited
 GCTCTGCGAACGGTGACTGCCCATCCTTGGCCGAATGAGCCACCACCCGTCGGGCCTCC
 GGGCCGGCTTACGCTCCACCTCATACCGCCGTACCTTCGGTCCACCGCCCTCACTATCCC
 CCGGGGCTTCTCCTACTCGTCCAGTCCCCTTCTCCAGCAGCCGCCTGCTGGGCTCCG
 CGTCCCGAGCTCCTCGGTGCGCCTGGGCAGCTTCCGTAGCCCCGAGCGGGAGCGGGCG
 CCCTCTGCGCCTGCCCTCGAGCGCCTCGACTTCTCCATGGCCGAGGCCCTCAACCAGG
 AGTTCCTGGCCACGCGCAGCAACGAGAAGCAGGAGCTGCAGGAGTCAACGACCCGCTTCC
 CCAACTTCATCGAGAAGGTACGCTTTCTGGAGCAGCAGAACGCGGCCCTGCGCGGGGAGC
 TGAGCCAAGCCCAGGAGCAGGAGCCGCGCGCCGACCAAGTGTGCCAGCAGGAGCTGC
 GCGAGCTGCGGGCAGAGCTGGAGCTGTTGGGCCGCGAGCGTGACCGGGTGCAGGTGGAGC
 GCGACGGGCTGGCGGAGGACCTGGCGGCCTCAAGCAGAGGTTGGAGGAGGAGACGCGCA
 AGCGGGAGGACGCGGAGCACAACCTCGTCTTCCGCAAGGACGTGGACGATGCCACTC
 TGTCGCCCTGGAAGTACAGCGCAAGATTGAGTCTCTGATGGATGAGATTGAGTCTCTCA
 AGAAGTGCACGAGGAGGAGCTGCGAGACCTGCAGGTGAGTGTGGAGAGCCAGCAGGTGC
 AGCAGGTGGAGGTGGAAGCCACGGTGAAGCCCGAGCTGACGGCAGCGCTGAGGGACATCC
 GCGCGCAGTACGAGAGCATCGCCGCGAAGAACCTGCAGGAGGCGGAGGAGTGGTACAAGT
 CCAAGTACGCGGACCTGTCCGACGCTGCCAACCCGAACACGAGGCCCTGCGCCAGGCCA
 AGCAGGAGATGAACGAGTCCCGACGCCAGATCCAGAGTCTAACGTGCGAGGTGGACGGGC
 TGCGCGGCACGAACGAGGCGCTGCTCAGGCAGTTGAGAGAGCTGGAGGAGCAGTTCGCC
 TGGAGGCGGGGGCTACCAGGCGGGCGCTGCGCGGCTCGAGGAGGAGCTGCGACAGCTAA
 AAGAGGAGATGGCGCGCACCTGAGGGAGTACCAGGAGCTCCTCAACGTCAAGATGGCCC
 TGGACATCGAGATCGCCACCTACCGCAAGCTGCTGGAGGGCGAGGAGAGCCGGATCTCCG
 TGCCCGTCCATTTCTTGGCTCCTTAAATATAAAGACGACTGTGCCTGAGGTGGAGCCTC
 CCCAGGACAGCCACAGCCGGAAGACGGTTCTGATCAAGACCATTGAGACCCGGAATGGGG
 AGGTGGTGACAGAGTCCCAGAAGGAGCAGCGCAGTGAGCTGGACAAGTCTTCTGCCACA
 GTTACTGAACCCCTTGGTCCGGAGCCTTACTCTGCCCTAGGCCTGCTCAAAGCCCAAAC
 CCTAAGACCCTCTGAATTGTCTCCTCTCCCTCTGCATGTGTCTAAAAGGTGGTACCAG
 GCATCCCTTCTGGCTTATGGCCAAGCCCTACCCGGCCAGCAGTCGCTGGGCTCTCCC
 TGCCCTGACACTTGATGTGACCTATGTGCTTCCCTTTTCATGTCCCGATAAGAAGCCAAT
 GATCCCCCTCAGGACAAATCTACTCCAGCCACGATGAGAAGTGGGTGAGCCAGGGTCTG
 AGTTTCACATTTGAACCAATAAAATGCTGTCAAGAGAAAAAAAAAAAAAAAAAAAAAAAAA
 AA
 AA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006262 unedited
 GTTTGCATTTGTNATACGACTCACTATAGGGCGGCCGACTTCCCGGGGTGCTCTGCGA
 ACGGTGACTGCCATCCTTGGCCGAATGAGCCACCACCCGTCGGGCCTCCGGCCGGCT
 TCAGCTCCACCTCATACCGCCGTACCTTCGGTCCACCGCCCTCACTATCCCCGGGCTT
 CTCTACTCGTCCAGTCCCCTTCTCCAGCAGCCGCCTGCTGGGCTCCGCGTCCCCGAG
 CTCCGTGCTGCGCCTGGGCAGCTTCCGTAGCCCCGAGCGGGAGCGGGGCCCTCCTGCG
 CCTGCCCTCGGAGCGCCTCGACTTCTCCATGGCCGATGCCCTCAACCAGGAGTTCCTGGC
 CACGCGCATCAACGAGAAGCAGGAGCTGCAGGAGCTCAACGACCGCTTCGCCAATTCAT
 CGAGAAGTACGCTTTCTGGAGCAGCAGAACGCGGCCCTGCGCGGGGAGCTGAGCCAACC
 CCGGGCCAGGAGCCGCGCGCCCGACCAGCTGTGCCAGCAGGAGCTGCGCGAGCTGGCG
 CAAGAGCTGGAATTTTGGGCCGAGCGTACCAGTTCAGGTGGAGCCCGACGGGCTG
 GCGGAGGACCTGCGCGGCCTCAACCCTAGGTGGGAGGAGGAAACCCCAAGCGGAAGG
 ACGCGGAACACAACCTTCGGGCTCTCCGAAGGACTTGGACAATGCCCTCTGGCCCGC
 CCGGGACTAAAACCAAGATTGAGGCCCTGAGGGGTGAGATTGAATTCCTCAAGAAAC
 CTGCCAAAGGAGGACCTGCCAAACCTGCCGTGGGATTGGTGGGAAAGCACGGCAGGTG
 CCACCATGGGTGGGTGTGAGATCCACCGGGAAACCCCGAACTGAACGGCACCCCTGGAG
 GACATCCCGCGCCCTTCCGAAACCTTCCCGCGAAAACCTGGGCGAGGG

Restriction Sites:	Please inquire
ACCN:	NM_006262
Insert Size:	1850 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	NM_006262.3 , NP_006253.2
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]