

Product datasheet for **SC216080**

PRPH2 (NM_000322) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	PRPH2 (NM_000322) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PRPH2
Synonyms:	AOFMD; AVMD; CACD2; DS; MDBS1; PRPH; rd2; RDS; RP7; TSPAN22
ACCN:	NM_000322
Insert Size:	1727 bp



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Insert Sequence: >SC216080 3'UTR clone of NM_000322
The sequence shown below is from the reference sequence of NM_000322. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GACGCAGGCCAGGCCAGAGGCTGGCTGAGGGCCCTGGGCCCCCTCCCCTCCCGAACACTGAGAAATA
GTGCACTCCAAGAAACGTGGATCTCCCCCTCATCCAACCTCCGAAAGTCTGAATCTCCAAGGAGGGCAC
CATCTTACAGAGACTCTCCCTGACGGTGGAAATTTAAGTTTAGGGTCCCTAAAAGCATTGACACACAGT
TGTTGAATGACTGACCCAAAATGTGAATGAAGCTAATGTGAATGTGAGTGAAGCTCCCTCAGGCCCGC
TGCCCTAGGATATGCCCTCCTGGTACTCGGGGCTGTCTCAGACGACTAGCCCAGGACCCATCTTTCT
CACACGGATTTAGTCCCACCTATGGCCACTGGCCGTATCTGAGGGCTGTCCCCTTTTAGAATTTACC
TCTTATGAGCTCCATGTTGCTTCACTCTATCCAAAGTGTCACTTGGTGCATAAGCACAGAAATCTGAAA
AATGGCCATGTTGTCTTTTTTTTTTTTTTTAATGCCAAGATTGACAGGTTGGCCGTTTGTCTAATGCC
AGAAGTTGGGGGAAAGTTACGCTTTTCTAAGAATAATGGACTCTTAAGGCATTGAGGGCTCTAAACAGG
ATTCTTTAATCATGGAGCAAGAGAATTTCAAGGCAGGGGATTTATCCCCACCAAAAACACAGTGAAA
GGCCTGCTTTTGTGTCCATTACATGCCCTCGGTCACTGAGTCTGGAGTGAACACGGGTTGAGGAAG
TCAGGCTGTTGGCGTGTCCCAGCACACCACCCTAAAGTGCCAGGTGATCTCCTGTGGCTCATCGG
TGAAGCAGTGGGGTAGGCTGCTGCCCTGCTGTGAAGAGGAGCAACAATCAGACATGAGTCCACCCCTT
TGGAGACCAGGCTCAGCTTTGGTGGGCCAGGGACACCACACAGGTGGCCATCACAGCCCCATGGA
CAACACTAATTGTCCACAGCAAAGGGCAAGGAATCCTCTGGGAGCTTCTCCGTTTCTCCCCCAGAT
ACCCATTTGAAAAACACTATTTCTGGAATGCTTCTGCATCAAAGGAGATTCTTTGAGATAGCCCATCT
TCTGAGCTAGCAAATACAGGAGTTTTCACTTTTCTTAGGAAAGAGAAGCTTTCAGGGGAAGGAGAGAA
TGATTTTGTGACTTCCAAGCCCTGGTACCAGACCAAGGCAGGGCCAGCATAATTCCTCCAGTTGG
ATGAACATTCAAGAGAGCTCGTTCCTACCTGGCTGGAGACCGAGGCCAGAAGGCAAAAACAGAAAGGG
AACAGTCCATAACTTACCTCTGCTTCTGACCGATGGTGTGGGAATAGTTACTTTGGACTGAGTTTG
GGTTCTCTGCTGTCTAAGAACTCAGTGTAGAGAAAATAAGACTTCTGGTGTGCTGGGGTATGTTCT
GGGCTTAATCCCCAAGCAGAAGACCAGATCCAAGATGTTTGGACACCCTGTGAGACGTTGGTCCCAA
GTTTAATTAGATTTCTGAATCTCGTTGAGGCCAAGGAATGATCCATACTGAAAAAATGCTGAGCCAGCC
ATCTTTGGCAAAGTCCCTGAGCTCTTGCTATCTCTCAAGAGTGTGAGAACCACGGTGAAGTGTGCTG
TCTAGGCCCAAGTGAAGTACTATGCTGTTAACAGCTGTCAATAGATAATTAATTAATCATACTGTATGAA
AA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_000322.5](#)

Summary:

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein found in the outer segment of both rod and cone photoreceptor cells. It may function as an adhesion molecule involved in stabilization and compaction of outer segment disks or in the maintenance of the curvature of the rim. This protein is essential for disk morphogenesis. Defects in this gene are associated with both central and peripheral retinal degenerations. Some of the various phenotypically different disorders are autosomal dominant retinitis pigmentosa, progressive macular degeneration, macular dystrophy and retinitis pigmentosa digenic. [provided by RefSeq, Jul 2008]

Locus ID:

5961

MW:

64.7