

Product datasheet for TP310357M

PRPH2 (NM_000322) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins Recombinant protein of human peripherin 2 (retinal degeneration, slow) (PRPH2), 100 µg **Description:** Species: Human HEK293T **Expression Host: Expression cDNA Clone** >RC210357 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s) MALLKVKFDQKKRVKLAQGLWLMNWFSVLAGIIIFSLGLFLKIGLRKRSDVMNNSESHFVPNSLIGMGVL SCVFNSLAGKICYDALDPAKYARWKPWLKPYLAICVLFNIILFLVALCCFLLRGSLENTLGQGLKNGMKY YRDTDTPGRCFMKKTIDMLQIEFKCCGNNGFRDWFEIQWISNRYLDFSSKEVKDRIKSNVDGRYLVDGVP FSCCNPSSPRPCIQYQITNNSAHYSYDHQTEELNLWVRGCRAALLSYYSSLMNSMGVVTLLIWLFEVTIT IGLRYLQTSLDGVSNPEESESEGWLLEKSVPETWKAFLESVKKLGKGNQVEAEGAGAGQAPEAG **TRTRPLEQKLISEEDLAANDILDYKDDDDKV** C-Myc/DDK Tag: Predicted MW: 39.1 kDa **Concentration:** >0.05 µg/µL as determined by microplate BCA method > 80% as determined by SDS-PAGE and Coomassie blue staining **Purity: Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol Recombinant protein was captured through anti-DDK affinity column followed by **Preparation:** conventional chromatography steps. Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. Store at -80°C. Storage: Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. RefSeq: NP 000313 Locus ID: 5961



/iew online s

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

	PRPH2 (NM_000322) Human Recombinant Protein – TP310357M
UniProt ID:	<u>P23942</u>
RefSeq Size:	3027
Cytogenetics:	6p21.1
RefSeq ORF:	1038
Synonyms:	AOFMD; AVMD; CACD2; DS; MDBS1; PRPH; rd2; RDS; RP7; TSPAN22
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]
Protein Families	: Druggable Genome, Transmembrane
Protein Pathway	rs: Amyotrophic lateral sclerosis (ALS)

Product images:



Coomassie blue staining of purified PRPH2 protein (Cat# [TP310357]). The protein was produced from HEK293T cells transfected with PRPH2 cDNA clone (Cat# [RC210357]) using MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2025 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US