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

Product datasheet for PH310357

PRPH2 (NM_000322) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PRPH2 MS Standard C13 and N15-labeled recombinant protein (NP_000313)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210357
Predicted MW:	39.1 kDa
Protein Sequence:	>RC210357 protein sequence Red=Cloning site Green=Tags(s) MALLKVKFDQKKRVKLAQGLWLMNWFSVLAGIIIFSLGLFLKIGLRKRSDVMNNSESHFVPNSLIGMGVL SCVFNSLAGKICYDALDPAKYARWKPWLKPYLAICVLFNIILFLVALCCFLLRGSLENTLGQGLKNGMKY YRDTDTPGRCFMKKTIDMLQIEFKCCGNNGFRDWFEIQWISNRYLDFSSKEVKDRIKSNVDGRYLVDGVP FSCCNPSSPRPCIQYQITNNSAHYSYDHQTEELNLWVRGCRAALLSYYSSLMNSMGVVTLLIWLFEVTIT IGLRYLQTSLDGVSNPEESESESESEGWLLEKSVPETWKAFLESVKKLGKGNQVEAEGAGAGQAPEAG TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_000313
RefSeq Size:	3027
RefSeq ORF:	1038
Synonyms:	AOFMD; AVMD; CACD2; DS; MDBS1; PRPH; rd2; RDS; RP7; TSPAN22
Locus ID:	5961

View online »

UniProt ID: P23942

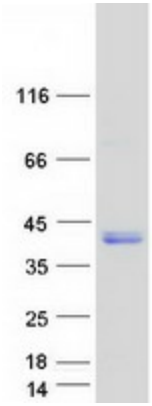
Cytogenetics: 6p21.1

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 Pathways: 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]).