

Specifications:

Gene:	hPRPH2
Accession:	AAH74720
Insert size:	1054bp
Concentration:	10µg at 0.2µg/µL

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

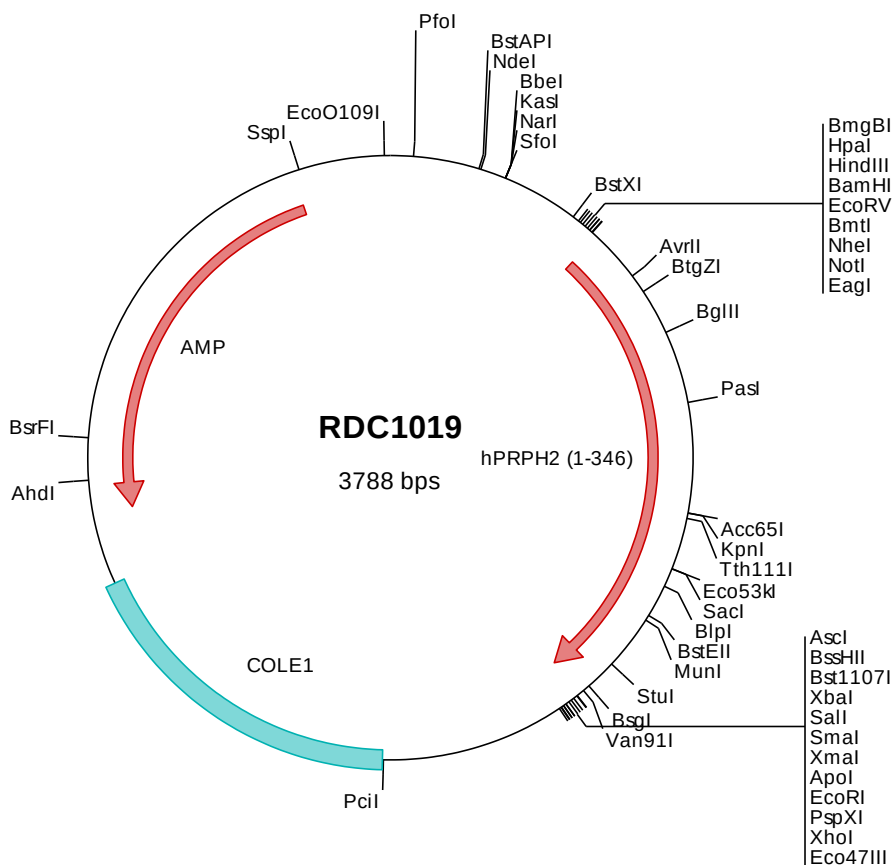
hPeripherin 2/PRPH2 cDNA Plasmid

PRPH2 peripherin 2 (retinal degeneration, slow) [*Homo sapiens* (human)]

Also known as: DS; RDS; RP7; rd2; AVMD; PRPH; AOFMD; CACD2; TSPAN22

Summary:

PRPH2 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. PRPH2 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. PRPH2 is essential for disk morphogenesis. Defects in PRPH2 are associated with both central and peripheral retinal degenerations.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC1019 Plasmid DNA Sequence

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> RDC1019 Translated Insert Sequence

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