

Recombinant Full Length Human PRPH Protein, C-Flag-tagged

Cat. No. PRPH-397HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PRPH Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	53.5 kDa
AA Sequence	MSHHPSGLRAGFSSTSYRRTFGPPPSLSPGAFSYSSSSRFSSSRLLGSASPSSSVR LGSFRSPRAGAGAL LRLPSERLDFSMAEALNQEF LATRSNEKQELQELNDRFANFI EKVRFLEQQNAALRGELSQARGQEPARA DQLCQQELRELRRLELLGRERDRVQV ERDGLAEDLAALKQRLEEETRKREDAEHNLVLF RKDVDDATLS RLELERKIESLMDE IEFLKKLHEEELRDLQVSVESQQVQQVEVEATVKPELTAALRDIRAQYESIAAKNL QE AEEWYKSKYADLSDAANRNHEALRQAKQEMNESRRQIQSLTCEVDGLRG TNEALL RQLRELEEQFALE AGGYQAGAAARLEEEELRQLKEEMARHLREYQELLNVKMALDIEI ATYRKLLERGEESRISVPVHSFASLNK

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	TTVPEVEPPQDSHSRKTVLIKTIETRNGEVVTESQKEQRSELDKSSAHSYTRTRPLE QKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Pathways	Amyotrophic lateral sclerosis (ALS)
Full Length	Full L.

GENE INFORMATION

Gene Name	PRPH peripherin [Homo sapiens (human)]
Official Symbol	PRPH
Synonyms	NEF4; PRPH1
Gene ID	5630
mRNA Refseq	NM_006262.4

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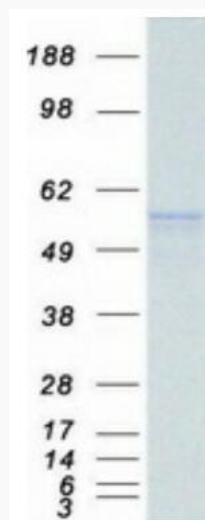
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Protein Refseq NP_006253.2

MIM 170710

UniProt ID P41219



Coomassie blue staining of purified PRPH protein.

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