

Recombinant Human PRPH

Cat. No. PRPH-30642TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Peripherin with an N terminal proprietary tag; Predicted MWt 77.77 kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	470 amino acids
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.
Molecular Weight	77.770kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.

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Sequences of amino acids

MSHHPSGLRAGFSSTSYRRTFGPPPSLSPGAFSYSSSSSRF SSSRLLGSASPSSSVR
 LGSFRSPRAGAGALLRLPSERLDF SMAEALNQEFLATRSNEKQELQELNDRFANFI
 EKVRFLEQ QNAALRGELSQARGQEPARADQLCQQELRELRLRELELLGR ERDRVQ
 VERDGLAEDLAALKQRLEEETRKREDAEHNLVLF RKDVDDATLSRLELERKIESLMD
 EIEFLKKLHEEELRDLQ VSVESQQVQQVEVEATVKPELTAALRDIRAQYESIAAKNL
 QEAEWYKSKYADLSDAANRNHEALRQAKQEMNESRRQIQ SLTCEVDGLRGTTNEA
 LLRQLRELEEQFALEAGGYQAGAAR LEEELRQLKEEMARHLREYQELINVKMALDI
 EIATYRKLL EGEESRISVPVHSFASLNKTTVPEVEPPQDSHSRKTCLI KTIETRNGEV
 VTESQKEQRSELDKSSAHSY

Sequence Similarities

Belongs to the intermediate filament family.

GENE INFORMATION

Gene Name PRPH peripherin [Homo sapiens]

Official Symbol PRPH

Synonyms PRPH; peripherin; NEF4; PRPH1;

Gene ID 5630

mRNA Refseq NM_006262

Protein Refseq NP_006253

MIM 170710

Uniprot ID P41219

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Chromosome Location	12q12-q13
Pathway	Amyotrophic lateral sclerosis (ALS), organism-specific biosystem; Amyotrophic lateral sclerosis (ALS), conserved biosystem;
Function	structural molecule activity;

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