Recombinant Human PRPH Protein, His-tagged

Cat. No. PRPH-01H **Lot. No.** (See product label)

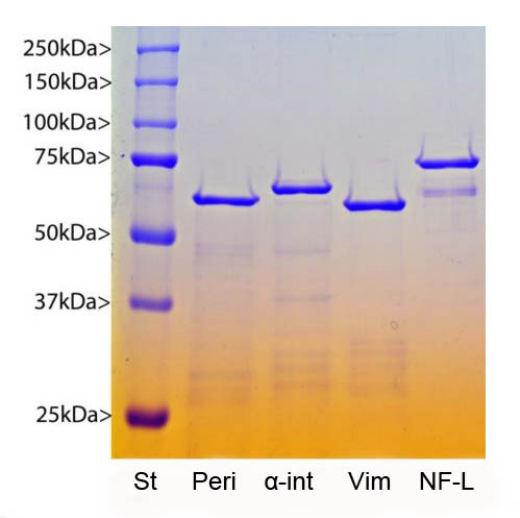
SPECIFICATION

Product Overview	A cDNA encoding full length human Peripherin was inserted into a eukaryotic expression vector which adds an N-terminal in frame His-tag. This was transformed into E. coli and recombinant protein was purified in 6M urea using immobilized metal affinity chromatography.
Species	Human
Source	E.coli
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.
Concentration	1 mg/mL
Storage Buffer	6 M urea
Full Length	Full L.

GENE INFORMATION

Gene Name	PRPH peripherin [Homo sapiens (human)]

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Official Symbol	PRPH
Synonyms	PRPH; peripherin; NEF4; PRPH1; peripherin; neurofilament 4 (57kD)
Gene ID	5630
mRNA Refseq	NM_006262
Protein Refseq	NP_006253
MIM	170710
UniProt ID	P41219
SDS-PAGE analysis of recombinant p53 expression	 Coomassie Brilliant Blue stained SDS-PAGE gel of various recombinant proteins based on the human sequences. His-tagged human peripherin isotype I was expressed in E. coli strain BL21 and purified using an N-terminal His-tag by immobilized metal affinity chromatography. 1 μg of protein was run on each lane,

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

and the lane indicated with "Peri" contains the peripherin protein. The other lanes show recombinant His-tagged α-internexin (α-int), vimentin (Vim) and neurofilament NF-L (NF-L) as indicated. Protein molecular weight standards are in the first lane and molecular weights are as indicated. The recombinant proteins all include an N-terminal His-tag, in each case adding about 5 kDa to the size of the native human protein.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA