

Recombinant Human PRPH Protein, His-tagged

Cat. No. PRPH-2627H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRPH Protein (Met1-Tyr470) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Tyr470
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 57.4 kDa Accurate Molecular Mass: 58 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

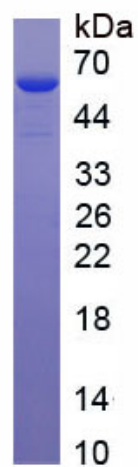
GENE INFORMATION

Gene Name	PRPH peripherin [Homo sapiens (human)]
Official Symbol	PRPH
Synonyms	PRPH; peripherin; NEF4; PRPH1; neurofilament 4 (57kD);
Gene ID	5630
mRNA Refseq	NM_006262
Protein Refseq	NP_006253
MIM	170710
UniProt ID	P41219

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