

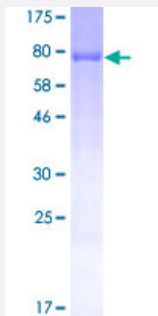
Full-Length

PRPH (Human) Recombinant Protein (P01)

Catalog # H00005630-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PRPH full-length ORF (NP_006253.2, 1 a.a. - 470 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSHHPSGLRAGFSSTSYRRTFGPPPSLSPGAFSYSSSSRFSSSRLLGSASPSSSVRLGSFRSPR
AGAGALLRLPSERLDFSMAEALNQEFLLATRSNEKQELQELNDRFANFIEKVRFLEQQNAALRGEL
SQARGQEPARADQLCQQELRELRLRELELLGREDRVQVERDGLAEDLAALKQRLEEEETRKRED
AEHNLVLFRKDVDDATLSRLELERKIESLMDEIEFLKKLHEEELRDLQVSVESQQVQQVEVEATV
KPELTAALRDIRAQYESIAAKNLQEAEEWYKSKYADLSAANRNHEALRQAKQEMNESRRQIQSL
TCEVDGLRGTTNEALLRQLRELEEQFALEAGGYQAGAARLEEEELRQLKEEMARHLREYQELLNVK
MALDIEIATYRKLLGEESRISVPVHSFASLNKTTVPEVEPPQDSSHRTVLKTIETRNGEVVTESQ
KEQRSELDKSSAHSY

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

80.1

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PRPH

Entrez GeneID[5630](#)**GeneBank Accession#**[NM_006262.3](#)**Protein Accession#**[NP_006253.2](#)**Gene Name**

PRPH

Gene Alias

NEF4, PRPH1

Gene Description

peripherin

Omim ID[105400 170710](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 than the peripherin found in photoreceptors. Mutations in this gene have been associated with susceptibility to amyotrophic lateral sclerosis. [provided by RefSeq]

Other Designations

neurofilament 4 (57kD)

Publication Reference

- [Peripherin partially localizes in Bunina bodies in amyotrophic lateral sclerosis.](#)

Mizuno Y, Fujita Y, Takatama M, Okamoto K.

Journal of the Neurological Sciences 2011 Mar; 302(1-2):14.

Application: Func, Antibody

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)

Disease

- [Amyotrophic lateral sclerosis](#)
- [Charcot-Marie-Tooth Disease](#)
- [Deafness](#)