



Recombinant Human PRPH Protein Product Manual

1. Product Basic Information

Product No.: REP07911

Protein Name: Neurofilament 4 (57Kd (PRPH))

Aliases: NEF4; PRPH1; peripherin; neurofilament 4 (57kD)

UniProt ID: P41219

UniProt Link: <https://www.uniprot.org/uniprotkb/P41219/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-470aa)

Molecular Weight: 53.8 kDa

Protein Tag: Tag-Free

2. Amino Acid Sequence (1-470aa)

MSHHPGSLRAGFSSTSYRRTFGPPPSLSPGAFSYSSSSRFSSSRLLGSASPSSSVR
LGSFRSPRAGAGALLRLPSERLDFSMALNQEFLATRSNEKQELQELNDRFANFI
EKVRFLEQQNAALRGELSQARGQEPARADQLCQQLRELRLRELELLGRERDRVQV
ERDGLAEDLAALKQRLEEETRKREDAEHNVLVFRKDVDDATLSRLELERKIESLMDE
IEFLKKLHEEELRDLQVSVESQQVQVVEVEATVKPELTAALRDIRAQYESIAAKNLQE
AEEWYKSKYADLSDAANRNHEALRQAKQEMNESRRQIQSLTCEVDGLRGTNEALL
RQLRELEEQFALEAGGYQAGAAARLEEELRQLKEEMARHLREYQELLNVKMALDIEI
ATYRKLLEGEESRISVPVHSFASLNIKTTPVEVEPPQDQSHSRKTVLIKTIETRNGEVVT
ESQKEQRSELDKSSAHSY

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.



4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human PRPH full length protein (1-470aa) expressed in E.coli. The protein is tag-free. PRPH, also known as NEF4 or PRPH1 or peripherin, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.