



Recombinant Human Peripherin (PRPH)

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| Product Code | CSB-EP018774HU-B |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P41219 |
| Product Type | Recombinant Protein |
| Immunogen Species | Homo sapiens (Human) |
| Purity | >85% (SDS-PAGE) |
| Sequence | MSHHPSTGLRA GFSSTSYRRT FGPPPSLSPG AFSYSSSSRF SSSRLLGSAS PSSSVRLGSF RSPRAGAGAL LRLPSERLDF SMAEALNQEF LATRSNEKQE LQELNDRFAN FIEKVRFLQ QNAALRGELS QARGQEPARA DQLCQQELRE LRRELELLGR ERDRVQVERD GLAEDLAALK QRLEEETRKR EDAEHNLVLF RKDVDDATLS RLELERKIES LMDEIEFLKK LHEEELRDQ VSVESQQVQQ VEVEATVKPE LTAALDIRA QYESIAAKNL QEAEWYKSK YADLSAANR NHEALRQAKQ EMNESRRQIQ SLTCEVDGLR GTNEALLRQL RELEEQFALE AGGYQAGAAR LEEELRQLKE EMARHLREYQ ELLNVKMALD IEIATYRKL EGEESRISVP VHSFASLNIK TTVPEVEPPQ DSHSRKTVLI KTIETRNGEV VTESQKEQRS ELDKSSAHSY |
| Source | E.coli |
| Target Names | PRPH |
| Protein Names | Recommended name: Peripherin Alternative name(s): Neurofilament 4 |
| Expression Region | 1-470 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full length protein |
| Target Details | 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. |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| Shelf Life | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |