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Datasheet for ABIN7562890

PRPH2 Protein (AA 1-346) (His tag)

Overview

Quantity:	1 mg
Target:	PRPH2
Protein Characteristics:	AA 1-346
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PRPH2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Prph2 Protein expressed in mammalian cells.
Sequence:	<p>MALLKVKFDQ KKRVKLAQGL WLMNWLSVLA GIVLFSGLGF LKIELRKRSE VMNNSSEHFV PNSLIGVGVL SCVFNSLAGK ICYDALDPAK YAKWKPWLKP YLAVCIFFNV ILFLVALCCF LLRGSLESTL AYGLKNGMKY YRDTDTPGRC FMKKTIDMLQ IEFKCCGNGG FRDWFEIQWI SNRYLDFSSK EVKDRIKSNV DGRYLVDGVP FSCCNPSSPR PCIQYQLTNN SAHYSYDHQT EELNLWLRGC RAALLNYYSS LMNSMGVVTI LVWLFVVSIT AGLRYLHTAL ESVSNPEDPE CESEGWLLEK SVPETWKAFL ESFKKLGKSN QVEAEGADAG PAPEAG Sequence without tag.</p> <p>The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	PRPH2
Alternative Name:	Prph2 (PRPH2 Products)
Background:	Peripherin-2 (Retinal degeneration slow protein),FUNCTION: Essential for retina photoreceptor outer segment disk morphogenesis, may also play a role with ROM1 in the maintenance of outer segment disk structure (PubMed:6715580). Required for the maintenance of retinal outer nuclear layer thickness (PubMed:6715580, PubMed:29961824). Required for the correct development and organization of the photoreceptor inner segment (PubMed:6715580). {ECO:0000269 PubMed:29961824, ECO:0000269 PubMed:6715580}.
Molecular Weight:	39.3 kDa
UniProt:	P15499

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months