

Datasheet for ABIN7550733
PHYHD1 Protein (AA 1-291) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	PHYHD1
Protein Characteristics:	AA 1-291
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PHYHD1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant PHYHD1 Protein expressed in mammalian cells.
Sequence:	MACLSPSQLQ KFQQDGLVLV EGFLSAEECV AMQQRIGEIV AEMDVPLHCR TEFSTQEEEQ LRAQGSTDYF LSSGDKIRFF FEKGVFDEKG NFLVPPEKSI NKIGHALHAH DPVFKSITHS FKVQTLARSL GLQMPVVVQS MYIFKQPHFG GEVSPHQDAS FLYTEPLGRV LGVWIAVEDA TLENGCLWFI PGSHTSGVSR RMVRAPVGS A PGTSFLGSEP ARDNSLFVPT PVQRGALVLI HGEVVKSKQ NLSDRSRQAY TFHLMASGT TWSPENWLQP T AELPPFQLY T Sequence without tag. 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.
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:	PHYHD1
Alternative Name:	PHYHD1 (PHYHD1 Products)
Background:	<p>Phytanoyl-CoA dioxygenase domain-containing protein 1 (Protein PHYHD1) (EC 1.14.11.-),FUNCTION: 2-oxoglutarate(2OG)-dependent dioxygenase that catalyzes the conversion of 2-oxoglutarate to succinate and CO(2) in an iron-dependent manner (PubMed:21530488). However, does not couple 2OG turnover to the hydroxylation of acyl-coenzyme A derivatives, implying that it is not directly involved in phytanoyl coenzyme-A metabolism (PubMed:21530488). Does not show detectable activity towards fatty acid CoA thioesters (PubMed:21530488). {ECO:0000269 PubMed:21530488},. FUNCTION: [Isoform 2]: Isoform 2 probably lacks enzyme activity. {ECO:0000269 PubMed:21530488},. FUNCTION: [Isoform 3]: Isoform 3 probably lacks enzyme activity. {ECO:0000269 PubMed:21530488}.</p>
Molecular Weight:	32.4 kDa
UniProt:	Q5SRE7

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
