

Datasheet for ABIN7561254

## PHYHD1 Protein (AA 1-291) (His tag)



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### Overview

|                               |   |
|-------------------------------|---|
| Quantity:                     | 1 mg  |
| Target:                       | PHYHD1  |
| Protein Characteristics:      | AA 1-291                                      |
| Origin:                       | Mouse   |
| Source:                       | HEK-293 Cells                                 |
| Protein Type:                 | Recombinant                                   |
| Purification tag / Conjugate: | This PHYHD1 protein is labelled with His tag. |
| Application:                  | Western Blotting (WB), SDS-PAGE (SDS)         |

### Product Details

|           |  |
|-----------|--|
| Purpose:  | Custom-made recombinat Phyhd1 Protein expressed in mammalian cells.  |
| Sequence: | <p>MACLSPSQLK KFAQEDGFLLL EGFFTADECV AMQQRIGEIV AEMDVPLHCR TEFSTQEDEQ</p> <p>LQTQGKTDYF LSSGDKIRFF FEKGVFDEKG NFLVPPEKSI NKIGHALHAH DPVFRSITHS</p> <p>PKVQALVRSL GLQMPVVVQS MYIFKQPHFG GEVSPHQDAT FLYTEPLGRV LGLWIAMEDA</p> <p>MLENGCLWFI PGSHTRGVSR RMIRAPSDSG PGTSFLGSDP AWASNLFVPL PVRRGGLVLI</p> <p>HGEVVHKSEQ NHSDHSRQAY TVHLMEEAGT VWSPGNWLQP TPELPFPPLY S <b>Sequence</b></p> <p><b>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.</b></p> |

|                  |   |
|------------------|---|
| Characteristics: | <p>Key Benefits:</p> <ul style="list-style-type: none"> <li>Made to order protein - from design to production - by highly experienced protein experts.</li> </ul> |
|------------------|---|

## Product Details

- 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, Western Blot |
| Grade:  | custom-made   |

## Target Details

|                   |   |
|-------------------|---|
| Target:           | PHYHD1  |
| Alternative Name: | Phyhd1 ( <a href="#">PHYHD1 Products</a> )  |
| Background:       | 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. 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. Does not show detectable activity towards fatty acid CoA thioesters. {ECO:0000250 UniProtKB:Q5SRE7}. |
| Molecular Weight: | 32.5 kDa  |
| UniProt:          | <a href="#">Q9DB26</a>  |

## Application Details

|                    |  |
|--------------------|--|
| Application Notes: | In addition to the applications listed above we expect the protein to work for functional studies as well. 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  |