

Datasheet for ABIN7564295  
**DDHD2 Protein (AA 1-699) (His tag)**



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## Overview

Quantity:	1 mg
Target:	DDHD2
Protein Characteristics:	AA 1-699
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DDHD2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat Dhd2 Protein expressed in mammalien cells.
Sequence:	<p>MSSGESHQEQ LSQSDPSPSP NSCSSFELID MDASSSYEPV SPHWFYCKVL DSKELWIPFN          SEDSQLEDA YGSGKDCNER IVPTDGGRYD VHLGERMRYA VYWDELPSEV RRCTWFYKGD          KDNKYVPYSE SFSQVLEDY MLAVTLDEWK KKIESPNREI IVLHNPCLMV HYQPIAGSDE          WGSTSTEQGR PRSVKRGVEN IPVDIHCSEP LQIDHLVFW HGIGPACDLR FRSIVQCVND          FRSVSLNLLQ THFKKAQENE QIGRVEFLPV NWHSPHSTG VIDLQRITL PSINRLRHFT          NDTILDVFFY NSPTYCQTIV DTVASEMNRI YTLFLQRNPD FKGGSVIAGH SLGSLILFDI          LTNQKNSIGD IDSEKGLSS AEDRGDASTL EEDLKKLQLS EFVTVFEKEK VDREALALCT          DRDLQEMGIP LGPRKKILNH FSARKNSVSI NRPAMSASEV NISKENDYL DVGIGQVSVK          YPRLNYKPEI FFAFGSPIGM FLTVRGLRRI DPNYKFPTCK GFFNIYHPFD PVAYRIEPMV          APGIEFEPML IPHHKGRKRM HLELREGLTR MSMDLKNNLL GSLRMAWKSF TRGPYPALQA          SETAEETEAE PESSSEKSNE ANTEEPPVEV KEEAPISVGM LNGGQRIDYV LQEKPIESFN</p>

## Product Details

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EYLFALQSHL CYWESEDTVL LVLKEIYQTQ GVFLDQPLQ **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.**

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### Characteristics:

#### Key Benefits:

- 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

DDHD2

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### Alternative Name:

Ddhd2 ([DDHD2 Products](#))

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### Background:

Phospholipase DDHD2 (EC 3.1.1.-) (DDHD domain-containing protein 2) (SAM, WWE and DDHD domain-containing protein 1),FUNCTION: Phospholipase that hydrolyzes preferentially phosphatidic acid, including 1,2-dioleoyl-sn-phosphatidic acid, and phosphatidylethanolamine. Specifically binds to phosphatidylinositol 3-phosphate (PI(3)P), phosphatidylinositol 4-phosphate (PI(4)P), phosphatidylinositol 5-phosphate (PI(5)P) and possibly phosphatidylinositol 4,5-bisphosphate (PI(4,5)P2). May be involved in the maintenance of the endoplasmic reticulum and/or Golgi structures. May regulate the transport between Golgi apparatus and plasma membrane (By similarity). {ECO:0000250}.

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### Molecular Weight:

79.6 kDa

## Target Details

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UniProt: [Q80Y98](#)

## Application Details

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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

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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