

Datasheet for ABIN7558611
EHD2 Protein (AA 1-543) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	EHD2
Protein Characteristics:	AA 1-543
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EHD2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Ehd2 Protein expressed in mammalian cells.
Sequence:	<p>MFSWLKKGGA RGQRPEAIRT VTSSLKELYR TKLLPLEEHY RFGSFHSPAL EDADFDGKPM VLVAGQYSTG KTSFIQYLLE QEVPGSRVGP EPTTDCFVAV MHGETEGTVP GNALVVDPEK PFRKLNPFNG TFLNRFMCAQ LPNQVLESIS IIDTPGILSG AKQRVSRGYD FPAVLRWFAE RVDLILLFD AHKLEISDEF SEAIGALRGH EDKIRVVLNK ADMVETQLM RYVGALMWAL GKVVGTPEVL RVIYGSFWSQ PLLVPDNRR L FELEEQLFR DIQGLPRHAA LRKLNLDLVKR ARLVRVHAYI ISYLKEMPT VFGKENKKKQ LILKLPVIFA KIQLEHHISP GDFPDCQKMQ ELLMAMDFTK FHSLKPKLLE ALDDMLAQDI AKLMPLLRQE ELESVEAGVQ GGAFEGTRMG PFVERGPDEA IEDGEEGSED DAEWVVTKDK SKYDEIFYNL APADGKLSGS KAKTWMVGTK LPNSVLGRIW KLSVDVDRDGM LDDEEFALAS HLIKAKLEGH GLPTNLPRRL VPPSKRRQKG SAE</p> <p>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.</p>

Product Details

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:**

- 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: EHD2

Alternative Name: Ehd2 ([EHD2 Products](#))

Background: EH domain-containing protein 2,FUNCTION: ATP- and membrane-binding protein that controls membrane reorganization/tubulation upon ATP hydrolysis (PubMed:24508342). Plays a role in membrane trafficking between the plasma membrane and endosomes. Important for the internalization of GLUT4 (PubMed:14676205). Required for fusion of myoblasts to skeletal muscle myotubes. Required for normal translocation of FER1L5 to the plasma membrane (PubMed:18502764, PubMed:21177873). Regulates the equilibrium between cell surface-associated and cell surface-dissociated caveolae by constraining caveolae at the cell membrane (By similarity). {ECO:0000250|UniProtKB:Q9NZN4, ECO:0000269|PubMed:14676205, ECO:0000269|PubMed:18502764, ECO:0000269|PubMed:21177873, ECO:0000269|PubMed:24508342}.

Molecular Weight: 61.2 kDa

Target Details

UniProt: [Q8BH64](#)

Pathways: [Regulation of Muscle Cell Differentiation, Skeletal Muscle Fiber Development](#)

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
