

Datasheet for ABIN7559569

ABHD11 Protein (AA 1-307) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	ABHD11
Protein Characteristics:	AA 1-307
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABHD11 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Abhd11 Protein expressed in mammalian cells.
Sequence:	<p>MLRWARAWRV PRGVLGASSP RRLAVPVTFC SSRSSGQENA DLRPLPSYN LLDGDATLPA IVFLHGLFGS KTNFNSLAKA MVQRTGRRVL TVDARNHGDS PHSPDASYEA MSQDLQGLLP QLGLVPCVLV GHSMGGKTAM LLALQRPDVV ERLVVVDISP VGTTPGSHIG AFIAAMKAVE IPEKVPHSQA RKLADKQLSS VVKEAGIRQF LLTNLVEVGG RFSWRLNLDL LAQHLDKIMT FPQQREPYSY PTLFLLGGNS TYVQPSHHSE IRRFPQAQI QTPVNAGHWV HSDKPQDFMD AVTSFLA 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>
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:	ABHD11
Alternative Name:	Abhd11 (ABHD11 Products)
Background:	Sn-1-specific diacylglycerol lipase ABHD11 (EC 3.1.1.116) (Alpha/beta hydrolase domain-containing protein 11) (Abhydrolase domain-containing protein 11) (Williams-Beuren syndrome chromosomal region 21 protein homolog),FUNCTION: Catalyzes the hydrolysis of diacylglycerol in vitro and may function as a key regulator in lipid metabolism, namely by regulating the intracellular levels of diacylglycerol (By similarity). 1,2-diacyl-sn-glycerols are the preferred substrate over 1,3-diacyl-sn-glycerols. The enzyme hydrolyzes stearate in preference to palmitate from the sn-1 position of 1,2-diacyl-sn-glycerols (By similarity). Maintains the functional lipoylation of the 2-oxoglutarate dehydrogenase complex (OGDHc) through its interaction with the OGDHc by preventing the formation of lipoyl adducts (By similarity). In addition, is also required for the expansion and differentiation of embryonic stem cells (ESCs) (PubMed:32733886). {ECO:0000250 UniProtKB:Q3SZ73, ECO:0000250 UniProtKB:Q8NFV4, ECO:0000269 PubMed:32733886}.
Molecular Weight:	33.6 kDa
UniProt:	Q8K4F5

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