

Datasheet for ABIN7551824

ABHD6 Protein (AA 1-337) (His tag)



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Overview

Quantity:	1 mg
Target:	ABHD6
Protein Characteristics:	AA 1-337
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABHD6 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ABHD6 Protein expressed in mammalian cells.
Sequence:	<p>MDLDVVMFV IAGGTLAIP LAFVASFLW PSALIRIYYW YWRRTLGMQV RYVHHEDYQF</p> <p>CYSFRGRPGH KPSILMLHGF SAHKDMWLSV VKFLPKNLHL VCVDMPGHEG TTRSSLDDLS</p> <p>IDGQVKRIHQ FVECLKLNKK PFHLVGTS MGQVAGVYAA YPSDVSSLCL VCPAGLQYST</p> <p>DNQFVQRLKE LQGSAAVEKI PLIPSTPEEM SEMQLQCSYV RFKVPQQILQ GLVDVRIPH N</p> <p>NFYRKLFL EI VSEKSRYS LHQNMDKIKVPT QIIWKGQDQV LDVSGADMLA KSIANCQVEL</p> <p>LENCGHSVVM ERPRKTAKLI IDFLASVHNT DNNKKLD Sequence without tag. The proposed</p> <p>Purification-Tag is based on experiences with the expression system, a different complexity</p> <p>of the protein could make another tag necessary. In case you have a special request, please</p> <p>contact us.</p>
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, Western Blot
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Grade:	custom-made
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Target Details

Target:	ABHD6
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Alternative Name:	ABHD6 (ABHD6 Products)
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Background:	Monoacylglycerol lipase ABHD6 (EC 3.1.1.23) (2-arachidonoylglycerol hydrolase) (Abhydrolase domain-containing protein 6),FUNCTION: Lipase that preferentially hydrolysis medium-chain saturated monoacylglycerols including 2-arachidonoylglycerol (PubMed:22969151). Through 2-arachidonoylglycerol degradation may regulate endocannabinoid signaling pathways (By similarity). Also has a lysophosphatidyl lipase activity with a preference for lysophosphatidylglycerol among other lysophospholipids (By similarity). Also able to degrade bis(monoacylglycerol)phosphate (BMP) and constitutes the major enzyme for BMP catabolism (PubMed:26491015). BMP, also known as lysobisphosphatidic acid, is enriched in late endosomes and lysosomes and plays a key role in the formation of intraluminal vesicles and in lipid sorting (PubMed:26491015). {ECO:0000250 UniProtKB:Q8R2Y0, ECO:0000269 PubMed:22969151, ECO:0000269 PubMed:26491015}.
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Molecular Weight:	38.3 kDa
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UniProt:	Q9BV23
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Target Details

Pathways: [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

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