

Datasheet for ABIN7551765
ABHD4 Protein (AA 1-342) (His tag)



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Overview

Quantity:	1 mg
Target:	ABHD4
Protein Characteristics:	AA 1-342
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABHD4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant ABHD4 Protein expressed in mammalian cells.
Sequence:	MADDLEQQSQ GWLSSWLPTW RPTSMSQLKN VEARILQCLQ NKFLARYVSL PNQNKIWTVT VSPEQNDRTP LVMVHGFGGG VGLWILNMDS LSARRTLHTF DLLGFGRSSR PAFPRDPEGA EDEFVTSIET WRETMGIPSM ILLGHSLGGF LATSYSIKYP DRVKHLILVD PWGFPLRPTN PSEIRAPPAW VKAVASVLGR SNPLAVLRVA GPWGPGLVQR FRPDFKRKFA DFFEDDTISE YIYHCNAQNP SGETAFKAMM ESFGWARRPM LERIHILIRKD VPITMIYGSD TWIDTSTGKK VKMQRPDYV RDMEIKGASH HVYADQPHIF NAVVEEICDS VD 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.
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)
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Grade:	custom-made
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Target Details

Target:	ABHD4
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Alternative Name:	ABHD4 (ABHD4 Products)
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Background:	(Lyso)-N-acylphosphatidylethanolamine lipase (EC 3.1.1.-) (Alpha/beta hydrolase domain-containing protein 4) (Abhydrolase domain-containing protein 4) (Alpha/beta-hydrolase 4),FUNCTION: Lysophospholipase selective for N-acyl phosphatidylethanolamine (NAPE). Contributes to the biosynthesis of N-acyl ethanolamines, including the endocannabinoid anandamide by hydrolyzing the sn-1 and sn-2 acyl chains from N-acyl phosphatidylethanolamine (NAPE) generating glycerophospho-N-acyl ethanolamine (GP-NAE), an intermediate for N-acyl ethanolamine biosynthesis. Hydrolyzes substrates bearing saturated, monounsaturated, polyunsaturated N-acyl chains. Shows no significant activity towards other lysophospholipids, including lysophosphatidylcholine, lysophosphatidylethanolamine and lysophosphatidylserine. {ECO:0000250 UniProtKB:Q8VD66}.
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Molecular Weight:	38.8 kDa
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UniProt:	Q8TB40
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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
