Datasheet for ABIN7317656

ABHD4 Protein (His tag)

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Overview

Quantity:	100 µg
Target:	ABHD4
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ABHD4 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ABHD4 Protein (His Tag)
Sequence:	Met 1-Asp 342
Characteristics:	A DNA sequence encoding the full length of human ABHD4 (NP_071343.2) (Met 1-Asp 342) was expressed, with a polyhistidine tag at the N-terminus.
Purity:	> 82 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ABHD4
Alternative Name:	ABHD4 (ABHD4 Products)
Background:	Background: Abhydrolase domain containing 4 (ABHD4), also known as alpha/beta-hydrolase 4 (ABH4) , or lyso-N-acylphosphatidylethanolamine lipase, which belongs to the ABHD4/ABHD5 subfamily of peptidase S33 family. Abhydrolase domain containing (ABHD) gene was a small

Target Details

	group belongs to alpha/beta hydrolase superfamily. Known members of this group are all found to be involved in important biochemical processes and related to various diseases. The alpha/beta-hydrolase 4 (ABH4) is a lysophospholipase/phospholipase B that selectively hydrolyzes N-acyl phosphatidylethanolamines (NAPEs) and lysoNAPEs. ABH4 accepts lysoNAPEs bearing both saturated and polyunsaturated N-acyl chains as substrates and displays a distribution that closely mirrors lysoNAPE-lipase activity in mouse tissues. The existence of an NAPE-PLD-independent route for NAE biosynthesis and suggest that ABH4 plays a role in this metabolic pathway by acting as a (lyso)NAPE-selective lipase. Synonym: ABH4
Molecular Weight:	41 kDa
NCBI Accession:	NP_071343

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM Tris, 100 mM NaCl, pH 8.0
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.