

Product datasheet for PH300915

ABHD6 (NM_020676) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ABHD6 MS Standard C13 and N15-labeled recombinant protein (NP_065727)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200915
Predicted MW:	38.3 kDa
Protein Sequence:	>RC200915 protein sequence Red=Cloning site Green=Tags(s) MDLDVVNMFVIAGGTLAIPILAFVASFLLWPSALIRIYYWYWRRTLGMQVRYVHHEDYQFCYSFRGRPGH KPSILMLHGFSAHKDMWLSVVKFLPKNLHLVCVDMPGHEGTTSSLDLSDGQVKRIHQFVECLKLNKK PFHLVGTSMGGQVAGVYAAAYPSDVSSLCLVCPAGLQYSTDNQFVQRLKELQGSAAVEKIPLIPSTPEEM SEMLQLCSYVRFKVPQQILQGLVDVRIPHNNFYRKLFLIIVSEKSRYSLHQNMMDKIKVPTQIIWKGQDQV LDVSGADMLAKSIANCQVELLENCGHSSVMERPRKTAKLIIDFLASVHNTDNNKKLD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_065727
RefSeq Size:	2413
RefSeq ORF:	1011
Locus ID:	57406
UniProt ID:	Q9BV23 , A0A024R323



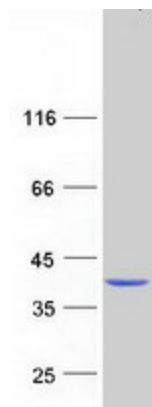
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Cytogenetics: 3p14.3

Summary: 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(monoacylglycero)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). [UniProtKB/Swiss-Prot Function]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified ABHD6 protein (Cat# [TP300915]). The protein was produced from HEK293T cells transfected with ABHD6 cDNA clone (Cat# [RC200915]) using MegaTran 2.0 (Cat# [TT210002]).