

Recombinant Human ABHD6 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ABHD6-3560H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ABHD6 MS Standard C13 and N15-labeled recombinant protein (NP_065727) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Lipase that preferentially hydrolysis medium-chain saturated monoacylglycerols including 2-arachidonoylglycerol. 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. 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.
Molecular Mass	38.3 kDa
AA Sequence	MDLDVVNMFVIAGGTLAIPILAFVASFLLWPSALIRIYYWYWRRTLGMQVRYVHHEDY QFCYSFRGRPGHKPSILMLHGFSAHKDMWLSVVKFLPKNLHLVCVDMPGHEGTTR SSLDDLSIDGQVKRIHQFVECLKLNKKPFHLVGTSMGGQVAGVYAAAYPSDVSSLCL VCPAGLQYSTDNQFVQRLKELQGSAAVEKIPLIPSTPEEMSEMLQLCSYVRFKVPQQ

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ILQGLVDVRIPHNNFYRKLFLFLEIVSEKSRYSLSHQNMDKIKVPTQIIWKGKDQVLDVSG
ADMLAKSIANCQVELLENCGHSVVMERPRKTAKLIIDFLASVHNTDNNKKLDTRTRPL
EQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name ABHD6 abhydrolase domain containing 6 [Homo sapiens (human)]

Official Symbol ABHD6

Synonyms ABHD6; abhydrolase domain containing 6, acylglycerol lipase; monoacylglycerol lipase ABHD6; 2-arachidonoylglycerol hydrolase; abhydrolase domain-containing protein 6; lipase protein; EC 3.1.1.23

Gene ID 57406

mRNA Refseq NM_020676

Protein Refseq NP_065727

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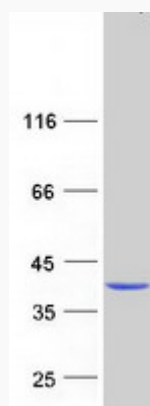
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MIM 616966

UniProt ID Q9BV23

SDS-PAGE



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