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Product datasheet for PH310637

ABHD2 (NM_152924) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ABHD2 MS Standard C13 and N15-labeled recombinant protein (NP_690888)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210637
Predicted MW:	48.3 kDa
Protein Sequence:	>RC210637 protein sequence Red=Cloning site Green=Tags(s) MNAMLETPELPAVFDGVKLAAVAAVLYVIVRCLNLKSPTAPPDLYFQDSGLSRFLLKSCPLLTKEYIPPL IWGKSGHIQTALYGKMGRVRSPHPYGHRKFITMSDGATSTFDLFEPLAEHCVGDDITMVICPGIANHSEK QYIRTFVDYAQKNGYRCAVLNHLGALPNIELTSPRMFTYGCTWEFGAMVNYIKKTYPLTQLVVVGFSLGG NIVCKYLGETQANQEKVLCCVSVCQGYSALRAQETFMQWDQCRRFYNFLMADNMKKIILSHRQALFGDHV KKPQSLEDTDLSRLYTATSLMQIDDNVMRKFHGYNSLKEYYEEESCMRYLHRIYVPLMLVNAADDPLVHE SLLTIPKSLSEKRENVMFVLPLHGGHLGFFEGSVLFPEPLTWMDKLVVEYANAICQWERNKLQCSDTEQV EADLE 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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_690888
RefSeq Size:	8761
RefSeq ORF:	1275
Synonyms:	HS1-2; LABH2; PHPS1-2

View online »

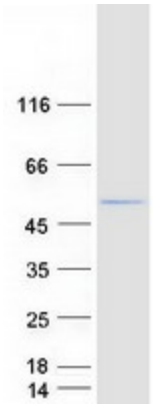
Locus ID: 11057

UniProt ID: P08910, A0A024RC89

Cytogenetics: 15q26.1

Summary: This gene encodes a protein containing an alpha/beta hydrolase fold, which is a catalytic domain found in a wide range of enzymes. The encoded protein is an acylglycerol lipase that catalyzes the hydrolysis of endocannabinoid arachidonoylglycerol from the cell membrane. This leads to activation of the sperm calcium channel CatSper, which results in sperm activation. Alternative splicing of this gene results in two transcript variants encoding the same protein. [provided by RefSeq, Jan 2017]

Product images:



Coomassie blue staining of purified ABHD2 protein (Cat# [TP310637]). The protein was produced from HEK293T cells transfected with ABHD2 cDNA clone (Cat# [RC210637]) using MegaTran 2.0 (Cat# [TT210002]).