

Recombinant Full Length Human ABHD2 Protein, C-Flag-tagged

Cat. No. ABHD2-867HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ABHD2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	48.1 kDa
AA Sequence	MNAMLETPELPAVFDGVKLAAVAALYVIVRCLNLKSPTAPPDLYFQDSGLSRFLLKS CPLLTKKEYIPPL IWGKSGHIQTALYGKMGRVRSPPHYGHRKFITMSDGATSTFDLFE PLAEHCVGDDITMVICPGIANHSEK QYIRTFVDYAQKNGYRCAVLNHLGALPNIELTS PRMFTYGCTWEFGAMVNYIKKTYPLTQLVVVGFSLGG NIVCKYLGETQANQEKVLC CVSVCQGYSALRAQETFMQWDQCQRFYNFLMADNMKKIILSHRQALFGDHV KKPQ SLEDTDLSRLYTATSLMQIDDNVMRKFHGYNSLKEYEEESCMMRYLHRIYVPLMLVN

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AADDPLVHE SLLTIPKSLSEKRENVFVLPLHGGHLGFFEGSVLFPEPLTWMDKLVV
EYANAICQWERNKLQCSDTEQV
EADLETRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	ABHD2 abhydrolase domain containing 2, acylglycerol lipase [Homo sapiens (human)]
Official Symbol	ABHD2
Synonyms	HS1-2; LABH2; PHPS1-2
Gene ID	11057
mRNA Refseq	NM_007011.8

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Protein Refseq NP_008942.3

MIM 612196

UniProt ID P08910



Coomassie blue staining of purified ABHD2 protein.

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