

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	MNAMLETPELPAVFDGVKLAAVAALVYVIVRCLNLKSPTAPPDLYFQDSGLSRFLLKS CPLLTKKEYIPPL IWGKSGHIQTALYGKMGRVRSPPHYGHRKFITMSDGATSTFDLFE PLAEHCVGDDITMVICPGIANHSEK QYIRTFVDYAQKNGYRCAVLNHLGALPNIELTS PRMFTYGCTWEFGAMVNYIKKTYPLTQLVVVGFSLGG NIVCKYLGETQANQEKVLC CVSVCQGYALSARQETFMQWDQCQRFYNFLMADNMKKIILSHRQALFGDHV KKPQ SLEDTDLSRLYTATSLMQIDDNVMRKFGHGYNSLKEYEYESCMRYLHRIYVPLMLVN

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AADDPLVHE SLLTIPKSLSEKRENVFVLPLHGGH LGFFEGSVLFPEPLTWMDKLVV
 EYANAICQWERNKLQCSDEQV
 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

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