

Recombinant Human ABHD2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ABHD2-494H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ABHD2 MS Standard C13 and N15-labeled recombinant protein (NP_690888) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	48.3 kDa
AA Sequence	MNAMLETPELPAVFDGVKLAAVAALYVIVRCLNLKSPTAPPDLYFQDSGLSRFLLKS CPLLTKKEYIPPLIWGKSGHIQTALYGKMGRVRSPPHYGHRKFITMSDGATSTFDLFEP LAEHCVGDDITMVICPGIANHSEKQYIRTFVDYAQKNGYRCAVLNHLGALPNIELTSP RMFTYGCTWEFGAMVNYIKKTYPLTQLVVVGFSLGGNIVCKYLGETQANQEKVLCC VSVCQGYSALRAQETFMQWDQCRRFYNFLMADNMKKIILSHRQALFGDHVKKPQS LEDTDLRLYTATSLMQIDDNVMRKFHGYNSLKEYEEEEESCMRYLHRIYVPLMLVNA ADDPLVHESLLTIPKSLSEKRENVMFVLPLHGGHLGFFEGSVLFPEPLTWMDKLVVE

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YANAICQWERNKLQCSDEQVEADLETTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 ABHD2 abhydrolase domain containing 2 [Homo sapiens (human)]

Official Symbol ABHD2

Synonyms ABHD2; abhydrolase domain containing 2; abhydrolase domain-containing protein 2; LABH2; protein PHPS1-2; lung alpha/beta hydrolase 2; alpha/beta hydrolase domain containing protein 2; HS1-2; PHPS1-2; MGC26249; MGC111112;

Gene ID 11057

mRNA Refseq NM_152924

Protein Refseq NP_690888

MIM 612196

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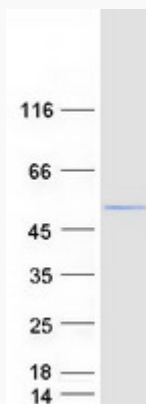
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UniProt ID

P08910

SDS-PAGE

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