

Recombinant Human ABHD2 Protein, His tagged

Cat. No. ABHD2-3040H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ABHD2 protein (31-425 aa) with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	31-425 aa
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	46 kDa
AA Sequence	MRCLNLKSPTAPPDLYFQDSGLSRFLLKSCPLLTKEYIPPLIWGKSGHIQTALYGKMG RVRSPHPYGHRKFITMSDGATSTFDLFEPLAEHCVGDDITMVICPGIANHSEKQYIRT FVDYAQKNGYRCAVLNHLGALPNIELTSPRMFTYGCTWEFGAMVNYIKKTYPLTQLV VVGFSLGGNIVCKYLGETQANQEKVLCCVSVCQGYSALRAQETFMQWDQCRRFYN FLMADNMKKIILSHRQALFGDHSVKKPQSLEDTDLRSRLYTATSLMQIDDNVMRKFGY NSLKEYYEEESCMRYLHRIYVPLMLVNAADDPLVHESLLTIPKSLSEKRENVMFVLPL HGGHLGFFEGSVLFPPELWMDKLVVEYANAICQWERNKLQCSLTEQVEADLEHH

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	HHHH
Purity	> 90 % by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	20mM Tris, pH 8.0, 100mM NaCl, 10 % Glycerol, 0.1 % SKL
Concentration	0.38 mg/mL
GENE INFORMATION	
Gene Name	ABHD2 abhydrolase domain containing 2, acylglycerol lipase [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_007011
Protein Refseq	NP_008942
MIM	612196
UniProt ID	P08910

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