

Recombinant Human ABHD2 Protein, C-Myc/DDK-tagged

Cat. No. ABHD2-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human abhydrolase domain containing 2 (ABHD2), transcript variant 2 with a C-Myc/DDK tag was expressed in HEK293T.
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	48.1 kDa
AA Sequence	MNAMLETPELPAVFDGVKLAAVAALYVIVRCLNLKSPTAPPDLYFQDSGLSRFLLKS CPLLTKEYIPPLIWGKSGHIQTALYGKMGRVRSHPYGHRKFITMSDGATSTFDLFEP LAEHCVGDDITMVICPGIANHSEKQYIRTFVDYAQKNGYRCAVLNHLGALPNIELTSP RMFTYGCTWEFGAMVNYIKKTYPLTQLVVVGFSLGGNIVCKYLGETQANQEKVLCC V SVCQGY SALRAQETFMQWDQCRRFYNFLMADNMKKIILSHRQALFGDHVKKPQS LED TDL SRLYTATSLMQIDDNVMRKFHGYNSLKEYEEEEESCMRYLHRIYVPLMLVNA ADDPLVHESLLTIPKSLSEKRENVMFVLPLHGGHLGFFEGSVLFPEPLTWMDKLVVE YANAICQWERNKLQCS DTEQVEADLET RTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Applications	Cell culture: For culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
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 µg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol
GENE INFORMATION	
Gene Name	ABHD2 abhydrolase domain containing 2, acylglycerol lipase [Homo sapiens (human)]
Official Symbol	ABHD2
Synonyms	ABHD2; abhydrolase domain containing 2, acylglycerol lipase; HS1-2; LABH2; PHPS1-2; monoacylglycerol lipase ABHD2; 2-arachidonoylglycerol hydrolase; abhydrolase domain-containing protein 2; acetylsterase; alpha/beta hydrolase domain containing protein 2; lung alpha/beta hydrolase 2; progesterone-sensitive lipase; protein PHPS1-2; testicular tissue protein Li 6; EC 3.1.1.23; EC 3.1.1.6; EC 3.1.1.79
Gene ID	11057
mRNA Refseq	NM_152924

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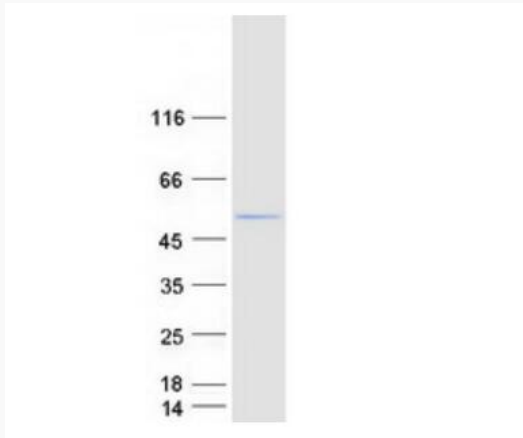
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Protein Refseq NP_690888

MIM 612196

UniProt ID P08910

SDS-PAGE



Coomassie blue staining of purified ABHD2 protein. The protein was produced from HEK293T cells transfected with ABHD2 cDNA clone using MegaTran 2.0.

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