

Recombinant Human ABHD2 Protein, N-His6ABP-tagged

Cat. No. ABHD2-03H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human abhydrolase domain containing 2 (ABHD2) with a N-His6ABP (ABP = Albumin Binding Protein derived from Streptococcal Protein G) tag was expressed in E. coli.
Species	Human
Source	E.coli
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	34 kDa including tags
AA Sequence	TALYGKMGRVRSPHPYGHRKFITMSDGATSTFDLFEPLAEHCVGDDITMVICPGIAN HSEKQYIRTFVDYAQKNGYRCAVLNHLGALPNIELTSPRMFTYGCTWEFGAMVNYIK KTYPLTQLVVVGFSLGGNIVCKYLGETQANQEKVL
Purity	>80% by SDS-PAGE and Coomassie blue staining
Applications	Blocking agent and positive assay control using corresponding antibodies.

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Notes	Gently mix before use. Optimal concentrations and conditions for each application should be determined by the user.
Storage	Upon delivery store at -20 centigrade. Avoid repeated freeze/thaw cycles.
Concentration	≥0.5 mg/ml
Storage Buffer	PBS and 1M Urea, pH 7.4.
Shipping	Shipped in liquid form on wet ice.

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
Protein Refseq	NP_690888

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MIM	612196
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UniProt ID	P08910
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