

Recombinant Human ABHD12 Protein, GST-Tagged

Cat. No. ABHD12-073H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human ABHD12 full-length ORF (NP_056415.1, 1 a.a. - 404 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes an enzyme that catalyzes the hydrolysis of 2-arachidonoyl glycerol (2-AG), the main endocannabinoid lipid transmitter that acts on cannabinoid receptors, CB1 and CB2. The endocannabinoid system is involved in a wide range of physiological processes, including neurotransmission, mood, appetite, pain appreciation, addiction behavior, and inflammation. Mutations in this gene are associated with the neurodegenerative disease, PHARC (polyneuropathy, hearing loss, ataxia, retinitis pigmentosa, and cataract), resulting from an inborn error of endocannabinoid metabolism. Alternatively spliced transcript variants encoding different isoforms have been noted for this gene.[provided by RefSeq, Jan 2011]
Molecular Mass	72 kDa
AA Sequence	MRKRTEPVALEHERCAAAGSSSSGSAAAALDADCRLKQNLRLTGPAAAEPRCAAD AGMKRALGRRKGVWLRLRKILFCVLGLYIAIPFLIKLCPGIQAKLIFLNFVRVPYFIDLK KPQDQGLNHTCNYYLQPEEDVTIGVWHTVPAVWWKNAQGKDQMWYEDALASSHP IILYLHGNAGTRGGDHRVELYKVLSSLGYHVVTFDYRGWGDSVGTSPSERGMTYDAL HVFDWIKARSGDNPVYIWGHSLGTGVATNLVRRLCERETPPDALILESPFTNIREEAK

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SHPFSVIYRYFPGFDWFFLDPITSSGIKFANDENVKHISCPLLILHAEDDPVVPFQLGR
 KLYSIAAPARSFRDFKQVQFVPFHSDLGYRHKYIYKSPHELPRILRPQQGPGSSPDPSPM
 WSELV

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	ABHD12 abhydrolase domain containing 12 [Homo sapiens]
Official Symbol	ABHD12
Synonyms	ABHD12; abhydrolase domain containing 12; C20orf22, chromosome 20 open reading frame 22; monoacylglycerol lipase ABHD12; ABHD12A; BEM46L2; dJ965G21.2; DKFZP434P106; 2-arachidonoylglycerol hydrolase; abhydrolase domain-containing protein 12; PHARC; C20orf22; DKFZp434P106;
Gene ID	26090
mRNA Refseq	NM_001042472
Protein Refseq	NP_001035937

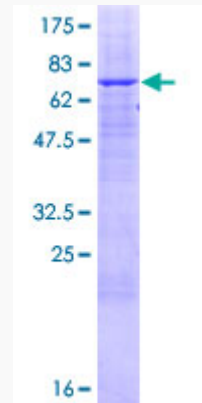
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MIM 613599

UniProt ID Q8N2K0



12.5% SDS-PAGE Stained with Coomassie Blue.

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