

Product datasheet for **TP316963**

ABHD12 (NM_001042472) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human abhydrolase domain containing 12 (ABHD12), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216963 representing NM_001042472 Red =Cloning site Green =Tags(s) MRKRTEPVALEHERCAAAGSSSSGSAALDADCRLKQNLRLTGPAAAEPRCAADAGMKRALGRRKGVWL RLRKILFCVLGLYIAIPFLIKLCPGIQAKLIFLNFRVVPYFIDLKPKQDQQLNHTCNYYLQPEEDVTIGV WHTVPAVWWKNAQGDQMWYEDALASSHPHILYLHGNAGTRGGDHRVELYKVLSSLGYHVVTFDYRGWGD SVGTPSERGMTYDALHVFWDWIKARSGDNPVYIWGHSLGTGVATNLVRRLCERETPPDALILESPFTNIRE EAKSHPFVSIYRYFPGFDWFFLDPITSSGIKFANDENVKHISCPDLLILHAEDDPVVPFQLGRKLYSIAAP ARSRDFKVFQVFFHSDLGYRHKYIYKSPLEPRILREFLGKSEPEHQH TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	44.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001035937



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Locus ID: 26090

UniProt ID: [Q8N2K0](#)

RefSeq Size: 1983

Cytogenetics: 20p11.21

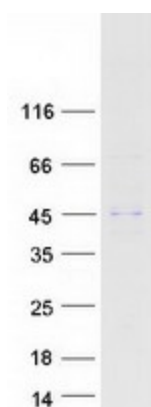
RefSeq ORF: 1194

Synonyms: ABHD12A; BEM46L2; C20orf22; dJ965G21.2; hABHD12; PHARC

Summary: 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]

Protein Families: Protease, Transmembrane

Product images:



Coomassie blue staining of purified ABHD12 protein (Cat# TP316963). The protein was produced from HEK293T cells transfected with ABHD12 cDNA clone (Cat# [RC216963]) using MegaTran 2.0 (Cat# [TT210002]).