

Product datasheet for **TP305260**

ABHD2 (NM_007011) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human abhydrolase domain containing 2 (ABHD2), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205260 protein sequence Red =Cloning site Green =Tags(s)

MNAMLETPELPAVFDGVKLAAVAALVYVIVRCLNLKSPAPPDLYFQDSGLSRFLKSCPLLTKEYIPPL
IWGKSGHIQTALYGKMGRVRSPPHYGHRKFITMSDGATSTFDLFEPLAEHCVGDDITMVICPGIANHSEK
QYIRTFVDYAQKNGYRCAVLNHLGALPNIELTSRPMFTYGCTWFEFGAMVNYIKKTYPLTQLVWVGFSLGG
NIVCKYLGETQANQEKVLCCVSVCCQGYALRAQETFMQWDQCQRFYNFLMADNMKKIILSHRQALFGDHV
KKPQSLETDLSRLYTATSLMQIDDNVMRKFHGYNSLKEYEEEECMRYLHRIYVPLMLVNAADDPLVHE
SLLTIPKSLSEKRENVMFVLP LHGGHLGFFEGSVLFPPELTWMDKLVVEYANAICQWERNKLQCSDEQV
EADLE

TRTRPLE**QKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	48.1 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.



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RefSeq: [NP_008942](#)

Locus ID: 11057

UniProt ID: [P08910](#), [A0A024RC89](#)

RefSeq Size: 9159

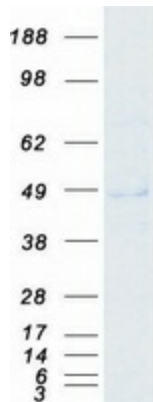
Cytogenetics: 15q26.1

RefSeq ORF: 1275

Synonyms: HS1-2; LABH2; PPHS1-2

Summary: 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. [provided by RefSeq, Jan 2017]

Product images:



Coomassie blue staining of purified ABHD2 protein (Cat# TP305260). The protein was produced from HEK293T cells transfected with ABHD2 cDNA clone (Cat# [RC205260]) using MegaTran 2.0 (Cat# [TT210002]).