

Product datasheet for **TP506769**

Abhd2 (NM_018811) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse abhydrolase domain containing 2 (Abhd2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR206769 protein sequence
Red=Cloning site **Green**=Tags(s)

MNAMLETPELPAVFDGVKLAAVAALVYVIVRCLNLKSPTAPPDLYFQDSGLSRFLLKSCPLLTKEYIPPL
IWGKSGHIQTALYGKMGVRSPHPYGHRKFITMSDGATSTFDLFEPLAEHCVGDDITMVICPGIANHSEK
QYIRTFVDYAQKNGYRCAVLNHLGALPNIELTSRPMFTYGCTWFGAMVNYIKRTPQTQLVVVGFSLGG
NIVCKYLGETQANQEKVLCVSVCQGYALRAQETFMQWDQCRRFYNFLMADNMKKIILSHRQALFGDHV
KKPQSLEDTDLRSLYTATSLMQIDDNVMRKFGYNSLKEYEEEEESCMRYLHRIYVPLMLVNAADDPLVHE
SLLTIPKSLSEKRENVMFVLP LHGGHLGFFEGSVLFPPELTWMDKLVVEYANAICQWERNKQSCSDTEQM
EAELE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-MYC/DDK

Predicted MW: 48.4 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

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 after receiving vials.

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_061281](#)

Locus ID: 54608



[View online >](#)

UniProt ID: [Q9QXM0](#)

RefSeq Size: 2903

Cytogenetics: 7 D2

RefSeq ORF: 1278

Synonyms: 2210009N18Rik; Labh-2; LABH2

Summary: Progesterone-dependent acylglycerol lipase that catalyzes hydrolysis of endocannabinoid arachidonoylglycerol (AG) from cell membrane. Acts as a progesterone receptor: progesterone-binding activates the acylglycerol lipase activity, mediating degradation of 1-arachidonoylglycerol (1AG) and 2-arachidonoylglycerol (2AG) to glycerol and arachidonic acid (AA). Also displays an ester hydrolase activity against acetyl ester, butanoate ester and hexadecanoate ester. Plays a key role in sperm capacitation in response to progesterone by mediating degradation of 2AG, an inhibitor of the sperm calcium channel CatSper, leading to calcium influx via CatSper and sperm activation (By similarity). Involved in acrosomal reaction (Probable). May also play a role in smooth muscle cells migration (PubMed:15721306). [UniProtKB/Swiss-Prot Function]