

Product datasheet for RN212804

Abhd6 (NM_001007680) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Abhd6 (NM_001007680) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Abhd6
Synonyms:	MGC94917
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN212804 representing NM_001007680 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCTCGATGTGGTTAACATGTTTGTGATTGCGGGTGGGACCCTGGCCATCCGATCCTGGCCTTCG
TAGCTTCTTCTCCTTTGGCCCTCGGCGCTGATAAGAATCTATTATTGGTACTGGCGGAGGACGCTGGG
CATGCAAGTCCGCTACGTGCACCACGAGGACTATCAGTTCTGTTACTCCTCCGGGGCAGGCCAGGACAC
AAGCCGTCGTCCTTATGCTTACGGGTCTCCGCACACAAGGATATGTGGCTCAGTGTGGTCAAGTTCC
TTCCCAAGAATCTGCACTTGGTCTGTGTGGACATGCCTGGACATGAAGGGACCACCGTTCTCCCTGGA
TGACCTGTCCATAGTTGGGCAAGTGAAAAGGATACATCAGTTTGTAGAATGCCTTAAGCTGAACAAAAAG
CCCTTTCACCTTATAGGCACCTCCATGGGTGGCAACGTGGCTGGAGTATACGCTGCTTACTATCCATCTG
ACGTCTGCAGCCTGTCTCTCGTGTGCCCTGCTGGCCTGCAGTATCAACTGACAATCGGTTTGTACAACG
GCTCAAAGAGCTGGAGGACTCAGCCGCCACGCAGAAGATCCCTTTGATCCCATCCACCCCGAAGAGATG
AGCGAGATGCTGCAGCTCTGCTCGTACGTCCGCTCAAGGTGCCCCAGCAGATCCTTCAAGGTCTTGTGC
ACGTTTCGATCCCTCACAAACAGCTTCTACCGAAATTGTTTTGGAAATCGTCAGTGAGAAATCCAGATA
CTCTCTGCATGAGAACATGGACAAGATCAAGTCCCAACACAGATCATTGGGGAAAACAAGACCAGGTG
CTTGATGTGTCGGGGCAGACATATTAGCCAAGTCCATCACTAATCCAGGTAGAGGTTCTGAAAAACT
GTGGCCATTCAGTGGTGTGGAGAGACCGAGGAAGACAGCCAAGCTCGTCGTCGACTTTTAGCTTCTGT
GCACAACCCAGACAACAACAAGAAGCTGAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001007680
Insert Size:	1014 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001007680.1</u> , <u>NP_001007681.1</u>
RefSeq Size:	2225 bp
RefSeq ORF:	1014 bp
Locus ID:	305795
UniProt ID:	<u>Q5XI64</u>
Cytogenetics:	15p14
Gene Summary:	Lipase that preferentially hydrolysis medium-chain saturated monoacylglycerols including 2-arachidonoylglycerol (By similarity). Through 2-arachidonoylglycerol degradation may regulate endocannabinoid signaling pathways. Also has a lysophosphatidyl lipase activity with a preference for lysophosphatidylglycerol among other lysophospholipids (By similarity). Also able to degrade bis(monoacylglycero)phosphate (BMP) and constitutes the major enzyme for BMP catabolism. BMP, also known as lysobisphosphatidic acid, is enriched in late endosomes and lysosomes and plays a key role in the formation of intraluminal vesicles and in lipid sorting (By similarity).[UniProtKB/Swiss-Prot Function]