OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC322761

ABHD2 (NM_152924) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABHD2 (NM_152924) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABHD2
Synonyms:	HS1-2; LABH2; PHPS1-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

```
>OriGene sequence for SC322761
GGCGGCAGTTACTTGGGCGGGGCCGGTAGCGGCGGGAGCTGCACTGGCCAGGGGTTCCGG
CTGTATATCCATGAGCGCCGCTGGCAGCCGGGGAGCTGCAGGAACCAGACTGGGGGCGAG
CTGAGCACCTGTAGTCAATCACACGCAGCTTTTAGGTTTGTTTGAATAAGAGATCTGACC
TGACCGGCCCAACTGTACAACTCTTCAAGGAAAATTCGTATTTGCAGTGGGAAGAATAAG
TAACATTGATCAAGATGAATGCCATGCTGGAGACTCCCGAACTCCCAGCCGTGTTTGATG
GAGTGAAGCTGGCTGCAGTGGCTGCTGTGCTGTACGTGATCGTCCGGTGTTTGAACCTGA
AGAGCCCCACAGCCCCACCTGACCTCTACTTCCAGGACTCGGGGCTCTCACGCTTTCTGC
TCAAGTCCTGTCCTCTTCTGACCAAAGAATACATTCCACCGTTGATCTGGGGGAAAAGTG
GACACATCCAGACAGCCTTGTATGGGAAGATGGGAAGGGTGAGGTCGCCACATCCTTATG
GGCACCGGAAGTTCATCACTATGTCTGATGGAGCCACTTCTACATTCGACCTCTTCGAGC
CCTTGGCTGAGCACTGTGTTGGAGATGATATCACCATGGTCATCTGCCCTGGAATTGCCA
ATCACAGCGAGAAGCAATACATCCGCACTTTCGTTGACTACGCCCAGAAAAATGGCTATC
GGTGCGCCGTGCTGAACCACCTGGGTGCCCTGCCCAACATTGAATTGACCTCGCCACGCA
TGTTCACCTATGGCTGCACGTGGGAATTTGGAGCCATGGTGAACTACATCAAGAAGACAT
ATCCCCTGACCCAGCTGGTCGTCGTGGGCTTCAGCCTGGGTGGTAACATTGTGTGCAAAT
ACTTGGGGGAGACTCAGGCAAACCAAGAGAAGGTCCTGTGCTGCGTCAGCGTGTGCCAGG
GGTACAGTGCACTGAGGGCCCAGGAAACCTTCATGCAATGGGATCAGTGCCGGCGGTTCT
ACAACTTCCTCATGGCTGACAACATGAAGAAGATCATCCTCTCGCACAGGCAAGCTCTTT
TTGGAGACCATGTTAAGAAACCCCAGAGCCTGGAAGACACGGACTTGAGCCGGCTCTACA
CAGCAACATCCCTGATGCAGATTGATGACAATGTGATGAGGAAGTTTCACGGCTATAACT
CCCTGAAGGAATACTATGAGGAAGAAAGTTGCATGCGGTACCTGCACAGGATTTATGTTC
CTCTCATGCTGGTTAATGCAGCTGACGATCCGTTGGTGCATGAAAGTCTTCTAACCATTC
CAAAATCTCTTTCAGAGAAACGAGAGAACGTCATGTTTGTGCTGCCTCTGCATGGGGGCC
ACTTGGGCTTCTTTGAGGGCTCTGTGCTGTTCCCCGAGCCCCTGACATGGATGGATAAGC
TGGTGGTGGAGTACGCCAACGCCATTTGCCAATGGGAGCGTAACAAGTTGCAGTGCTCTG
ACACGGAGCAGGTGGAGGCCGACCTGGAGTGAGGCCTCCGGACTCTGGCACGCTCCAGCA
GCCCTCCTCTGGAAGCTGCGTCCCCTCACCCCCTGTTTCAGGTCTCCCATCTCCCTCAGT
GACCTGGATCTGACCTCACACCATCAGCAGGGGGCACCCACCATGCACACCTGTCTCGGA
GTAGGCAGCTCTTCCTGGGAGCTCCAGGCTATTTTTGTGCTTAGTTACTGGTTTTCTCCA
TTGCATTGTTAGGCATGGTGACAAGTGACAGAGTTCTTGCCCTCTGTCCAGTTTCAGCAT
CTGGTTGCTTTTAAGCCAAGTACATCTAGTTTCCCTATTAAAAATGTGTCTGAATAGCGA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
```

Restriction Sites: Please inquire

ACCN: NM_152924

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	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:	NM_152924.3, NP_690888.1
RefSeq Size:	8687 bp
RefSeq ORF:	1278 bp
Locus ID:	11057
UniProt ID:	P08910
Cytogenetics:	15q26.1
Domains:	abhydrolase
Gene 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] Transcript Variant: This variant (2) lacks four consecutive exons within the 5' UTR, as compared to variant 1. Both variants encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.