

Product datasheet for RN213964

Abhd5 (NM_212524) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Abhd5 (NM_212524) Rat Untagged Clone
Tag: Tag Free
Symbol: Abhd5
Synonyms: CGI-58
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN213964 representing NM_212524
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAAGCGATGGCGCGGAGGAGGAGGTGGACTCGGCAGACGCCGGTGGAGGGTCAGGATGGCTGACAG
 GGTGGCTTCTACCTGGTGTCCCAGTCTACATCACACCTTAAAGAAGCTGAAGAGAAAAATGCTAAAATG
 TGTCCTCCCTGCACCTACAAGAAAGAACCTGTGCGCATATCCAATGGAACAGCATATGGACTGATGTTT
 TCGCACAAACATGTCTAGTAAGACACCCTTGTCCCTCCTGCATGGTTTTGGAGGAGGTCTTGGACTTTGGG
 CCCTGAATTTTGAAGATCTAAGCACTGATAGGCCCTGTCTATGCCTTTGACCTATTGGGCTTTGGAAGAAG
 TAGTAGACCTAGGTTTGACAGTGACCGGAAGAAGTGGAGAATCAGTTTGTGGAATCCATTGAAGAGTGG
 AGATGTGCCCTCAGGTTGGACAAAATGATCTTGCTTGGACACAACCTGGGAGGGTTCTTGGCTGCTGCCT
 ACTCACTGAAGTACCCGTCAAGGGTCAGTCACCTCATTGTTAGTAGAACCATGGGGTTTTCTGAGCGACC
 AGATCTTGCTGATCAAGAGAGACCAATCCAGTTTGGATCAGAGCCTTAGGGGCAGCATTGACTCCCTTT
 AACCCCTTGGCTGGCCTCAGGATTGCAGGACCTTTTGGGTTGAGTCTAGTGCAGCGCCTGAGGCCGACT
 TCAAGCGGAAGTACTCCTCTATGTTTGAAGATGACACGGTGACAGAGTACATCTACCAGTGAATGTACA
 AACCCCAAGTGGTGAGACAGCTTTCAAAAACATGACGATTCTTACGGGTGGGCCAAGCGGCCCATGCTC
 CAGCGCATAGGTGGCTTGACCCCTGACATTCCAGTTTCAGTCATCTTCGCGCCCCGGTCTGCATAGATG
 GCAACTCTGGCACCAGCATCCAGTCACTGCGACCCAAGTCATACGTGAAGACAATTGCTATCCTCGGGGC
 AGGGCATTATGTGTATGCAGACCAGCCAGAGGAGTTCAACCAGAAAGTCAAGGAGATCTGCCACACAGTA
 GACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_212524



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Insert Size:	1056 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:	NM_212524.1 , NP_997689.1
RefSeq Size:	1108 bp
RefSeq ORF:	1056 bp
Locus ID:	316122
UniProt ID:	Q6QA69
Cytogenetics:	8q32
Gene Summary:	Coenzyme A-dependent lysophosphatidic acid acyltransferase that catalyzes the transfer of an acyl group on a lysophosphatidic acid. Functions preferentially with 1-oleoyl-lysophosphatidic acid followed by 1-palmitoyl-lysophosphatidic acid, 1-stearoyl-lysophosphatidic acid and 1-arachidonoyl-lysophosphatidic acid as lipid acceptor. Functions preferentially with arachidonoyl-CoA followed by oleoyl-CoA as acyl group donors (By similarity). Functions in phosphatidic acid biosynthesis (By similarity). May regulate the cellular storage of triacylglycerol through activation of the phospholipase PNPLA2 (By similarity). Involved in keratinocyte differentiation (By similarity). Regulates lipid droplet fusion (By similarity).[UniProtKB/Swiss-Prot Function]