

Product datasheet for **SC114490**

ABHD5 (NM_016006) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ABHD5 (NM_016006) Human Untagged Clone
Tag:	Tag Free
Symbol:	ABHD5
Synonyms:	CGI58; IECN2; NCIE2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114490 sequence for NM_016006 edited (data generated by NextGen Sequencing)

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ATGGCGCGGAGGAGGAGGAGGTGGACTCTGCCGACACCGGAGAGAGGTCAGGATGGCTA
ACTGGTTGGCTCCCCACATGGTGCCCTACGTCTATATCACACCTTAAAGAAGCTGAAGAG
AAGATGTTAAATGTGTGCCCTTGACATACAAAAAAGAACCTGTTTCGTATATCTAATGGA
AATAAAATATGGACACTGAAGTTCTCTCATAATATTTCAAATAAGACTCCACTTGTCTT
CTCCATGGTTTTGGAGGAGGCTTGGGCTCTGGGCACTGAATTTTGGAGATCTTTGCACC
AACAGACCTGTCTATGCTTTTGACCTATTGGGTTTTGGACGAAGTAGTAGACCCAGGTTT
GACAGTGATGCAGAAGAAGTGGAGAATCAGTTTGTGGAATCCATTGAAGAGTGGAGATGT
GCCCTAGGATTGGACAAAATGATCTTGCTTGGGCACAACCTAGGTGGATTCTTGGCTGCT
GCTTACTCGTGGAAGTACCCATCAAGGGTTAATCATCTCATTTTAGTGGAGCCTTGGGGT
TTCCCTGAACGACCAGACCTTGCTGATCAAGACAGACCAATTCCAGTTTGGATCAGAGCC
TTGGGAGCAGCATTGACTCCCTTTAACCCTTTAGCTGGCCTAAGGATTGCAGGACCCCTT
GGTTTAAGTCTAGTGCAGCGTTTAAGGCCTGATTTCAAACGAAAGTATTCTTCAATGTTT
GAAGACGATACTGTGACAGAATACATCTACCACTGTAATGTGCAGACTCCAAGTGGTGAG
ACAGCTTTCAAGAATATGACTATTCCTTATGGATGGGCAAAAAGGCCAATGCTCCAGCGA
ATTGGTAAATGCACCCTGACATTCCAGTTTCAGTGATCTTTGGCGCCCGATCCTGCATA
GATGGCAATTCTGGCACCAGCATCCAGTCTTACGACCACATTTCATATGTGAAGACAATA
GCTATTCTTGGGCAGGACATTATGTATATGCAGATCAACCAGAAGAATTCAACCAGAAA
GTAAAGGAGATCTGCGACACTGTGGACTGA

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Clone variation with respect to NM_016006.4



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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_016006 unedited CCTGTAATACGACTTACTATAGGGCGGCCGGAATTCGGCACGAGGCCTCGTGCCTAATT CGGCACGAGGGTCAGCCGGCTTCGAGATAAGTCCCAGGCGCTTGCAGCGCGCGGCATGG CGGCGGAGGAGGAGGAGGTGACTCTGCCGACACCGGAGAGAGGTGAGGATGGCTAACTG GTTGGCTCCCCACATGGTGCCCTACGTCTATATCACACCTTAAAGAAGCTGAAGAGAAGA TGTTAAAATGTGTGCCTGCACATACAAAAAGAACCTGTTTCGTATATCTAATGGAATA AAATATGGACACTGAAGTTCTCTCATAATATTTCAAATAAGACTCCACTTGTCTTCTCC ATGGTTTTGGAGGAAGTCTTGGCTCTGGGCACTGAATTTTGGAGATCTTTCACCAACA GACCTGTCTATGCTTTTACCTATTGGTTTTGGACGAAGTAGTAGACCCAGGTTTGACA GTGATGCAGAAGAAGTGGAGAATCAGTTTGTGGAATCCATTGAAGAGTGGAGATGTGCC TAGGATTGGACAAAATGATCTTGCTTGGGCACAACCTAAGTGGATTCTTGGCTGTGCTT ACTCGCTGAAGTACCCATCAAGGGTTAATCATCTCATTTTGTGGAGCCTTGGGTTTTCC CTGAACGACCAGACCTTGTGATCAAGACAGACCAATTTAGTTTGGATCAGAGCCTTGG GAGCAGCATTGACTCCCTTAAACCNTAGCTGGCCTAAAGATTGCAGGACCCTTTGGTT TAGTCTAGTGCAGCGTTTAAAGCCTGATTTCAACGAAATATTCTTCATGNTCGAAGAGAT ACTGTGACAGAATCATCTCCACTGAATGTGCAGATCCAAT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_016006 unedited GGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCTAGTTCACTGTTTTTATTTA CATAGCTACCTTCTCCTAGACAGCAACGTTAGCGAAAGATGCCTTCTTGATGACAATCC TATTCAATTTTTATTTATTTTTTGGTGAAGGGTTTTCTCAGCAGCCAGTTACCACATGG AGCATTTACAGTTTCAAAGAAGTTTTCTCATTTTAAACTGCAAGAAAATGCTACACT TGATGGTAGTTCCTAAAAAATAGTTCAATCAACCTTCTAGAATTTTTGTAATATAACTT CAAGTATGTAATGATTTAATTAACAATACTCTTAATAAACAACAGCAACAACAACCC AAGTGCTAGCTATTTCTGGTGCCATGAGACATAATAGCACCACTTGTTTTTCTATTTTA GTGGTTAAAAATGTATGCAATTTAGCACCCATCTACAAAAGTTAGATGTTAATAAAAAATA TGGTATTACTTGGCTTACTAGGAAGCAACAGTCTTAATATCCCCTTAAGAGAAGAAATCT GTTTCATTTGCTGCATCCTGNGTCATGGAAAAGAATAGTATGAAAGGGGGAAACAAGAA CAGCCTTTTAGGTAAGGCTTTTCACTACCTGAATCACTGAAAGTATTGAAGTCATGTTCC TTGGAAGAGTAGAATTATACCACACATAGGAGGTTCCAAGGAGTTATGTTGTTATACACT GTATGTGANGATAGACCACATTTATAATGCTGAACATGGCTTANCAGCCTTAAATATANA AACAGGTAANNCTAGAAAAGTATGATAGTGATCAACTNCCGTCCTACCAAAAAATCTGC CTTGTCACCTCCGTTCAAAAACAAGTGAANTATTCTCAACACTGACAATTTACATAAAA CACATTGNATTTAGATNATATCAGTTTCAAGACCATAATACTGATGGGGAGACAGAAATA AGTGCCT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_016006
Insert Size:	2760 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:

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_016006.3](#), [NP_057090.2](#)

RefSeq Size: 1536 bp

RefSeq ORF: 1050 bp

Locus ID: 51099

UniProt ID: [Q8WTS1](#)

Cytogenetics: 3p21.33

Domains: abhydrolase

Protein Families: Protease

Gene Summary: The protein encoded by this gene belongs to a large family of proteins defined by an alpha/beta hydrolase fold, and contains three sequence motifs that correspond to a catalytic triad found in the esterase/lipase/thioesterase subfamily. It differs from other members of this subfamily in that its putative catalytic triad contains an asparagine instead of the serine residue. Mutations in this gene have been associated with Chanarin-Dorfman syndrome, a triglyceride storage disease with impaired long-chain fatty acid oxidation. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) encodes the longest isoform (a). Variants 1 and 2 both encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because no single transcript was available for the full length of the gene. The extent of this transcript is supported by transcript alignments.