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Product datasheet for SC322381

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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene sequence for SC322381
GCTTCGAGATAAGTCCCGGCGCTTGCGCGGCGGCGGCTATGGCGGCGGAGGAGGAGGAGG
TGGACTCTGCCGACACCGGAGAGAGGTCAGGATGGCTAACTGGTTGGCTCCCCACATGGT
GCCCTACGTCTATATCACACCTTAAAGAAGCTGAAGAGAAGATGTTAAAATGTGTGCCTT
GCACATACAAAAAAGAACCTGTTCGTATATCTAATGGAAATAAAATATGGACACTGAAGT
TCTCTCATAATATTTCAAATAAGACTCCACTTGTCCTTCTCCATGGTTTTGGAGGAGGTC
TTGGGCTCTGGGCACTGAATTTTGGAGATCTTTGCACCAACAGACCTGTCTATGCTTTTG
ACCTATTGGGTTTTGGACGAAGTAGTAGACCCAGGTTTGACAGTGATGCAGAAGAAGTGG
AGAATCAGTTTGTGGAATCCATTGAAGAGTGGAGATGTGCCCTAGGATTGGACAAAATGA
TCTTGCTTGGGCACAACCTAGGTGGATTCTTGGCTGCTGCTTACTCGCTGAAGTACCCAT
CAAGGGTTAATCATCTCATTTTAGTGGAGCCTTGGGGTTTCCCTGAACGACCAGACCTTG
CTGATCAAGACAGACCAATTCCAGTTTGGATCAGAGCCTTGGGAGCAGCATTGACTCCCT
TTAACCCTTTAGCTGGCCTAAGGATTGCAGGACCCTTTGGTTTAAGTCTAGTGCAGCGTT
TAAGGCCTGATTTCAAACGAAAGTATTCTTCAATGTTCGAAGACGATACTGTGACAGAAT
ACATCTACCACTGTAATGTGCAGACTCCAAGTGGTGAGACAGCTTTCAAGAATATGACTA
TTCCTTATGGATGGGCAAAAAGGCCAATGCTCCAGCGAATTGGTAAAATGCACCCTGACA
TTCCAGTTTCAGTGATCTTTGGCGCCCGATCCTGCATAGATGGCAATTCTGGCACCAGCA
TCCAGTCCTTACGACCACATTCATATGTGAAGACAATAGCTATTCTTGGGGCAGGACATT
ATGTATATGCAGATCAACCAGAAGAATTCAACCAGAAAGTAAAGGAGATCTGCGACACTG
TGGACTGAACACACTGAAGCTCTGATGGGAAAACCTGGTGACTGATATAGTTGTTCAGCA
ATAATTCATAGTCTGTGATGAAGAGTAGTGAATACAACACACAACCAGGCAGCCTTCTTG
ACTATACTTTGCACATGTTTTCTTTAGGAATTCACTCACACATTTAAACCAGTTAGTGCC
TTCTAGAAGAATGGCTTTCCTTTCTCCTACACAAAATTGAAATATACAAGTCTCTAAATA
TAATACCTTTAAATAAAAGGTTATTTGTCCCTCTGAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAAAAAAA

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Restriction Sites:	Please inquire
ACCN:	NM_016006
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_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.