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 SC316839

SIDT1 (NM_017699) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIDT1 (NM_017699) Human Untagged Clone
Tag:	Tag Free
Symbol:	SIDT1
Synonyms:	SID-1; SID1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

>OriGene ORF sequence for NM_017699 edited
ATGCGCGGCTGCCTGCGGCTCGCGCTGCTCTGCGCGCTGCCCTGGCTCCTGCTGGCGGCG
TCGCCCGGGCACCCGGCGAAATCCCCCAGGCAGCCCCCGGCACCGCGCCGCGACCCCTTC
GACGCTGCCAGGGGCGCCGATTTCGATCATGTCTACAGCGGGGTGGTGAACCTCAGCACC
GAGAACATCTACTCTTTCAACTACACCAGCCAGCCCGACCAGGTGACAGCCGTGAGGGTG
TATGTGAACAGTTCCTCTGAGAATCTCAACTACCCGGTCCTTGTTGTGGTTCGCCAGCAG
AAAGAGGTGCTGTCCTGGCAGGTTCCTCTGCTCTTCCAAGGACTATACCAGAGGAGCTAC
AACTATCAAGAAGTGAGCCGCACCTTATGTCCCTCAGAAGCAACCAATGAGACGGGACCC
TTGCAGCAACTGATATTTGTAGATGTCGCATCCATGGCACCCCTGGGTGCTCAGTACAAA
CTGCTAGTTACCAAGCTGAAGCACTTCCAGCTCCGGACAAATGTTGCCTTTCACTTTACT
GCCAGCCCCTCTCAACCTCAGTATTTTCTATACAAGTTTCCCAAAGACGTGGACTCAGTT
ATCATTAAAGTGGTGTCTGAAATGGCTTATCCATGTTCTGTTGTCTCAGTCCAGAATATC
ATGTGCCCGGTGTATGATCTCGACCACAATGTGGAATTTAATGGTGTCTATCAGTCCATG
ACCAAGAAAGCTGCCATCACGCTACAGAAGAAGGATTTTCCAGGCGAGCAGTTCTTCGTG
GTATTTGTGATAAAGCCTGAAGATTATGCCTGTGGAGGATCTTTCTTCATCCAGGAAAAG
GAAAACCAGACCTGGAATCTACAGCGAAAAAAGAACCTTGAAGTGACCATTGTCCCTTCC
ATTAAAGAATCTGTTTATGTGAAATCCAGTCTTTTCAGTGTCTTCATCTTCCTGTCCTTC
TACTTGGGATGCCTTCTTGTTGGGTTTGTTCATTATCTGAGGTTTCAGAGAAAATCCATT
GATGGAAGCTTTGGGTCCAATGATGGCTCTGGAAATATGGTGGCATCTCATCCCATTGCT
GCCAGCACACCCGAAGGGAGCAATTATGGGACAATAGATGAGTCAAGCTCCAGTCCTGGA
AGGCAGATGTCCTCCTCCGATGGTGGGCCACCGGGCCAGTCAGACACAGACAGCTCCGTG
GAGGAGAGCGACTTCGACACCATGCCAGACATTGAGAGTGATAAAAACATCATCCGGACC
AAGATGTTCCTTTACCTGTCAGATTTGTCCAGGAAGGACCGGAGAATTGTCAGCAAAAAA
TATAAAATTTATTTTTGGAACATCATCACCATTGCTGTGTTTTACGCGCTGCCCGTGATC
CAGCTGGTCATTACCTATCAGACAGTGGTAAATGTCACTGGCAACCAGGACATCTGTTAC
TACAACTTCCTCTGTGCTCACCCCTTGGGCGTCCTGAGTGCCTTCAACAACATTCTCAGC
AATCTGGGCCACGTGCTTCTGGGCTTCCTCTTCCTGCTGATAGTCTTGCGCCGCGACATC
CTCCATCGGAGAGCCCTGGAAGCCAAGGACATCTTTGCTGTGGAGTACGGGATTCCCAAA
CACTTTGGTCTCTTCTACGCTATGGGCATTGCATTGATGATGGAAGGGGTGCTCAGTGCT
TGCTACCATGTCTGCCCTAATTATTCCAACTTCCAATTCGACACCTCCTTCATGTACATG
ATCGCTGGCCTGTGCATGCTGAAGCTCTATCAGACCCGCCACCCAGACATCAATGCCAGC
GCCTACTCTGCCTATGCCTCCTTTGCTGTGGTCATCATGGTCACCGTCCTTGGAGTGGTG
TTTGGAAAAAATGACGTATGGTTCTGGGTCATCTTCTCTGCAATCCACGTTCTGGCCTCG
CTAGCCCTCAGCACCCAGATATATTATATGGGTCGTTTCAAGATAGATTTGGGAATTTTC
CGGCGGGCTGCCATGGTGTTCTACACAGACTGTATCCAGCAGTGTAGCCGACCTCTATAT
ATGGATAGAATGGTGTTGCTGGTTGTGGGGAATCTGGTTAACTGGTCCTTCGCCCTCTTT
GGATTGATATACCGCCCCAGGGACTTTGCTTCCTACATGCTGGGCATCTTCATCTGTAAC
CTTTTGCTGTACCTGGCCTTTTACATCATCATGAAGCTCCGCAGCTCTGAAAAGGTCCTC
CCAGTCCCGCTCTTCTGCATCGTGGCCACCGCTGTGATGTGGGCTGCCGCCCTATATTTT
TTCTTCCAGAATCTCAGCAGCTGGGAGGGAACTCCGGCCGAATCCCGGGAGAAGAACCGC
GAGTGCATTCTGCTGGATTTCTTCGATGACCATGACATCTGGCACTTCCTCTCTGCTACT
GCTCTGTTTTTCTCATTCTTGGTTTTGTTAACTTTGGATGATGACCTTGATGTGGTTCGG
AGAGACCAGATCCCTGTCTTCTGA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_017699 unedited
CGTCGGTCGTCGTGGATTGTCTTTGTATACGACTCCTATAGGGCGGCCGCGAATTCGGCA
CGAGGAGACCGAATTTCCTCCTCGATGTGGCGTCAGGTTGACTTTTCGAGACTAGCGGGT
ATTTCTTTTTAATGACTCCAATGCCTTTTTATTATTGCTGTTATTGAGGTTGAGGGAGAA
GAGATCGGTCTAAATTCTGGCTGGGTAAGTGGGGGGATTCTCGGCGATGAGAAACGGGGG
ACTTAGAAGCCGGAGGAAAATCAGCAGCCCCACATCTCCACTTCTCCAGTCCGCCCTACT
CTCCACCCGTGACCTCCAGTGGAGACCCCAGGCGGCAGCATCAGTATTTGATCGGCCCTT
CGTCAGCACGCTGCCAGCCCTGGCCGGCTGGGTTCGCCAGGCATCACCCGCTCGGCTCTG
AAGCGGACGCCTGGCCCTGCACCGGGCTTTGGAAGGACCCTCTCTGCGCTCGCCCCCTCC
CCAGGGTGGCTCCGCTTTCGAGCCCGGGCGCGGTGCCCACCATGCGCGGCTGCCTGCGGC
TCGCGCTGCTCTGCGCGCTGCCCTGGCTCCTGCTGGCGGCGTCGCCCGGGCACCCGGCGA
AATCCCCCAGGCAGCCCCCGGCACCGCGCCGCGACCCCTTCGACGCTGCCAGGGGCGCCG
ATTTCGATCATGTCTACAGCGGGGTGGTGAACCTCAGCACCGAGAACATCTACTCTTTCA
ACTACACCAGCCAGCCCGACCAGGTGACAGCCGTGAGGGTGTATGTGAACAGTTCCTCTG
AGAATCTCAACTACCCGGTCCTTGTTGTGGTTCGCCAGCAGAAAGAGGTGCTGTCCTGGC
AGTTTCCTCTGCTCTTCCAAGGACTATACCAGAGGAGCTACACTATCAAGAGTGAGCCGC
ACCTTATGTCCCTCAGAAGCCACCAATGGAGACGGGACCCTTGCAGCAACCTGA

3' Read Nucleotide Sequence:

>Forward primer walk for NM_017699 unedited
CCATGCCTGAAAGGTGTTGCTGGTTGTGGGGAATCTTGGCTTAACTGGTCCTTCGCCCTC
TTTGGATTGATATACCTGCCCCAGGGACTTTGCTTCCTACATGCTGGGCATCTTCATCTG
TAACCTTTTGCTGTACCTGGCCTTTTACATCATCATGAAGCTCCGCAGCTCTGAAAAGGT
CCTCCCAGTCCCGCTCTTCTGCATCGTGGCCACCGCTGTGATGTGGGCTGCCGCCCTATA
TTTTTTCTTCCAGAATCTCAGCAGCTGGGAGGGAACTCCGGCCGAATCCCGGGAGAAGAA
CCGCGAGTGCATTCTGCTGGATTTCTTCGATGACCATGACATCTGGCACTTCCTCTCTGC
TACTGCTCTGTTTTTCTCATTCTTGGTTTTGTTAACTTTGGATGATGACCTTGATGTGGT
TCGGAGAGACCAGATCCCTGTCTTCTGAACCTCCAACATTAAGAGAGGGGAGGGAGCGAT
CAATCTTGGTGCTGTTTCACAAAAATTACAGTGACCACAGCAAAGTAACCACTGCCAGAT
GCTCCACTCACCCTCTGTAGAGCCAACTCTGCATTCACACAGGAAGGAGAGGGGCTGCGG
GAGATTTAAACCTGCAAGAAAGGAGGCAGAAGGGGAGCCATGTTTTGAGGACAGACGCAA
ACCTGAGGAGCTGAGAAACACTTGCTCCTTCCATCTGCAGCTTTGGGAGTGCAACAGGGA
TAGGCACTGCATCCAAGTCAACTCACCATCTTGGGGTCCCTCCCACCCTCACGGAGACTT
GCCAGCAATGGCAGAATGCTGCTGCACACTTCCCTCCAGTTGTCACCCCTGCCCAGAAAG
GCCAGCAGCTTGACTTCCTGCCCAGAAACTGTGTTGGCCCCCTTCACACCTCTGCACACC
TGCTGCTCAGCAGAGATGTGATTCTTTAGAAATATGGCGGGGGAGGGTGACCCCAGGCCC
TGCCCTACTGGG

Restriction Sites: Please inquire

ACCN: NM_017699

Insert Size: 4800 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).

OTI Annotation: The open reading frame of this TrueClone was fully sequenced and found to have a single amino acid difference from the protein associated to this reference.

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_017699.2, NP_060169.2
RefSeq Size:	5021 bp
RefSeq ORF:	2484 bp
Locus ID:	54847
UniProt ID:	Q9NXL6
Cytogenetics:	3q13.2
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene belongs to SID1 family of transmembrane dsRNA-gated channels. Family members transport dsRNA into cells and are required for systemic RNA interference. [provided by RefSeq, May 2017] Transcript Variant: This variant (2) encodes isoform 2.