

## Product datasheet for **MR219344**

### **Sidt1 (NM\_001159419) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Sidt1 (NM_001159419) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sidt1
Synonyms:	AW045928; B830021E24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR219344 representing NM\_001159419  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTGGACTGCCTGCGCCTGGCGCTGCTCTGCGCGCTGCCCTGGCTCCTGCGGGCGCGGTCCCTGGCC  
 ACCAGGAAGAGCCCTCGCGAAATCCGCAGAGCTGCGGCCGATCCGCGAGACCCGCCAGGGGAGCGGA  
 TTTTCGATCGCGTCTACAGCGGGTGGTGAAGCCTCAGCACCGAGAACATCTACTCCTTCAACACACCAGC  
 CATCCTGGCCAGGTGACAGCCGTGCGGGTGCATGTCAACAGTTCCCTCTGACAACCTGGACTACCCAGTCC  
 TGGTTGTGGTTCCGACGAGAAAGAAAGTGTGTCTGGCAGGTCCTCTGCTCTTCAAGGACTATACCA  
 AAGGAGCTACAACACCAGGAAGTCAGCCGCACTCTATGCCCTTCAAAGCAACCAATGAGACGGGCCCT  
 TTGGAGCAGCTGATCTTTGTAGATGTAGCGTCCATGGCGCCCATGGTGGCCACTACAAGTTGCTGGTCA  
 CAAAAATCAAGCACTTCCAGCTCCGACGAATGTTGCCTTCTACTTCACTGCCAGCCCTCTCAACCTCA  
 GTATTTTCTATACAAATTTCTGAAGACGTGGACTCCGTTATCATTAAAGTGGTGTCTGAGAAGGCTTAC  
 CCGTGTTCAGTTGCTCCGTTCCAGAACATCATGTGTCCAGTGTATGATCTGGACCACAATGTGGAATTC  
 ATGGTGTCTATCAGTCCATGACCAAGAAAGCCGCATCACGCTGCAGAAGAAGGATTTTCCAGATGAGCA  
 GTTCTTCGTGGTGTGTTGTGATAAAACCTGAAGATTATGCCTGTGGCGGATCATTCTCCATCCAGGAAAAT  
 GAAAACAGACCTGGAATCTACAACGATCAAAGAACCTGAAAGTGACCATTGTCCATCCATCAAAGAAT  
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 TGTGCTTGTCCATCATGTGAGGTTTCAGAGGAAATCTATTGACGGAAGCTTTGGTCCAGCGATGGCTCT  
 GAAATATGGCTGTCTCACATCCCATCACTGCCAGCACGCCGAAGGGAGCAATTATGGGCAATAGATG  
 AGTCCAGTCCAGTCTGGGAGGAGAGTGTCTTCTCCGATGGTGGCGAGCCTTGGCCACTCAGACGCGGA  
 CAGCTCTGTGGAGGAGAGTGTCTTGTATACCATGCCTGACATCGAAAGCGACAAAAACGTATCCGGACC  
 AAGATGTTCTGTACCTGTGAGTCTGTCCAGGAAGGACCGGAGGATTGTGAGCAAAAAAGTATAAGATTT  
 ATTTTTGGAACATCATCACCATCGCTGTGTTTTATGCACTGCCTGTGATGCAGCTTGTATCACCTACCA  
 GACAGTGGTGAATGTCACTGGCAACCAGGATATCTGTTACTACAACCTTCTTTGTGCTCACCCCTGGGT  
 GTCCTGAGCGCCTTCAATAATTTCTCAGTAACCTGGGCCAGTACTCCTGGGCTTCTTCTCTGCTGA  
 TAGTTCTGCGCAGAGACCTTCTCCACCGAAGAGCCCTGGAAGCTAAAGACATCTTGTATGGAATACGG  
 TATTCCAAACACTTTGGTCTCTTCTACGCTATGGGGATAGCACTGATGATGGAGGGCGTCTCAGTGTCT  
 TGTACCATGTCTGCCCTAATTACTCCAACCTCCAGTTCCGACTTCTTCTCATGTACATGATCGCTGGCC  
 TCTGCATGCTGAAGCTCTATCAGACCCGCCACCCGGACATCAACGCCAGCGCCTACTCTGCTTATGCCTC  
 TTTCGCTGTGGTATCACACTGACGGTCCCTCGGAGTGGTGTGAAAAAACGATGTGTGGTTCTGGATC  
 ATCTTCTCTGCCATCCACATTCTCTTCTCTGGCCCTCAGCACCCAAATCTACTACATGGGCCGTTTCA  
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 CCAGCAATGCAGCAGACCTCTGTATATGGACAGGATGGTGTGCTCATTGTGGGAAATCTGGTAAATTGG  
 TCCTTTGCCTTCTTTGGATTGATCTACCGGCCAGGGACTTTGCCTCCTACATGCTGGGCATCTTCATCT  
 GCAACCTGCTGCTGACTTGGCTTCTACATCATGAAGCTTCGAAGCTCTGAGAAAGTCTCCCGCT  
 ACCAGTCTTCTGCATCGCGGCCACTGCCGTGGTGTGGCTGCGGCACTGTACTTCTTCCAGAACCTC  
 AGCAGCTGGGAGGGGACCCTGCAGAATCCCGGAGAAGAACCCTGAGTGTGCTGCTGGATTTCTTTG  
 ATGACCATGACATCTGGCACTTCTCTCTGCGACTGCCCTGTTTTTCTCATTCTGGTGTGTTGACCCCT  
 GGATGATGACCTGGATGTGGTCCGGAGAGACCAGATCCCTGTCTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR219344 representing NM\_001159419  
Red=Cloning site Green=Tags(s)

MLDCLRLALLCALPWLRAAVPGHQEEPLAKSAELRRDPRDPARGADFDREVYSGVVSLSTENIYSFNHTS  
HPGQVTA VRVHVNSSDNDYPVLVVVRQQKEVLSWQVPLLFQGLYQRSYNYQEVSR TLCP SKATNETGP  
LEQLIFVDVASMAPHGAHYKLLVTKIKHFQLPTNVAFYFTASPSQPQYFLYKFPEDVDSVIKVVSEKAY  
PCSVVSVQNMCPVYDL DHNVEFNGVYQSMTKKAAITLQKKDFPDEQFFVVFVIKPEDYACGGSF SIQEN  
ENQ TWNLQRSKNLKVTVIVPSIKESVYVKSSLFSIFVFLSFYLGCLLVVLVHHVRFQRKSIDGSFGSSDGS  
GNMAVSHPI TASTPEGSNYGAIDESSSPGRQMSSDGGQPCHSDTDSSVEESDFDTMPDIESDKNVIRT  
KMFLYLSDL SRKDRRIVSKKYKIYF WNIITIAVFYALPVMQLVITYQTVVNV TGNQDICYNFLCAHPLG  
VLSAFNNILSNLGHVLLGFLFLIVLRRDLLHRRALEAKDIFAMEYGIPKHFGLFYAMGIALMMEGVLSA  
CYHVC PNYSNFQFDT SFMYMIAGLCMLKLYQTRHPDINASAYSAYASFV VITLTVLGVVFGKNDVWFVI  
IFSAIHILSSLALSTQIYYMGRFKIDVSDTDLGIFRRAAMVFYTD CIQQCSRPL YMDRMVLLIVGNLVNW  
SFAFFGLIYRPRDFASYMLGIFICNLLLYLAFYIIMKLR SSEKVLPLPVFCIAATAVVWAAALYFFFQNL  
SSWEGTPAESREKNRECVLLDFDDHDIWHFLSATALFFSFLVLLTLDDDL DVVRRDQIPVF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9003\\_g06.zip](https://cdn.origene.com/chromatograms/mm9003_g06.zip)

**Restriction Sites:** Sgfl-Mlul

Cloning Scheme:



ACCN: NM\_001159419

ORF Size: 2496 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_001159419.1](#), [NP\\_001152891.1](#)

**RefSeq Size:** 4281 bp

**RefSeq ORF:** 2499 bp

**Locus ID:** 320007

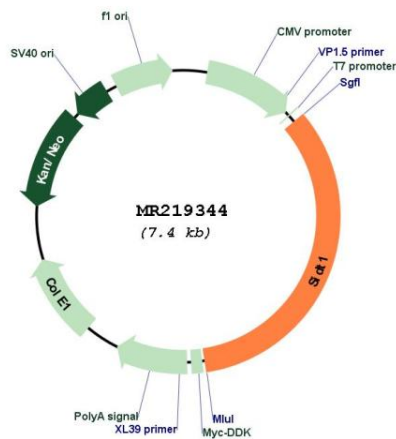
**UniProt ID:** [Q6AXF6](#)

**Cytogenetics:** 16 B4

**MW:** 94.9 kDa

**Gene Summary:** In vitro binds long double-stranded RNA (dsRNA) (500 and 700 base pairs), but not dsRNA shorter than 300 bp (PubMed:26067272). Not involved in RNA autophagy, a process in which RNA is directly imported into lysosomes in an ATP-dependent manner, and degraded (PubMed:27046251).[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR219344