

Product datasheet for **RR217243**

Sidt1 (NM_001100653) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sidt1 (NM_001100653) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Sidt1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RR217243 representing NM_001100653
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTCGACTGCCCGCGCTGGCGCTGCTCTGCGCGCTGCCCTGGCTCCTACGGGCGCGGTCCCTGGCC
 ACCGGGCAGAGCCCTCAAGCGGTCGGCAGAGCTGCCCGCAATCCGCGGACCCGCCAGAGGAGCGGA
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 TGGTTGTGGTTCGCCAACAGAAACAAGTGTTCCTGGCAGGTTCTCTGCCCTTCAAGGACTATACCA
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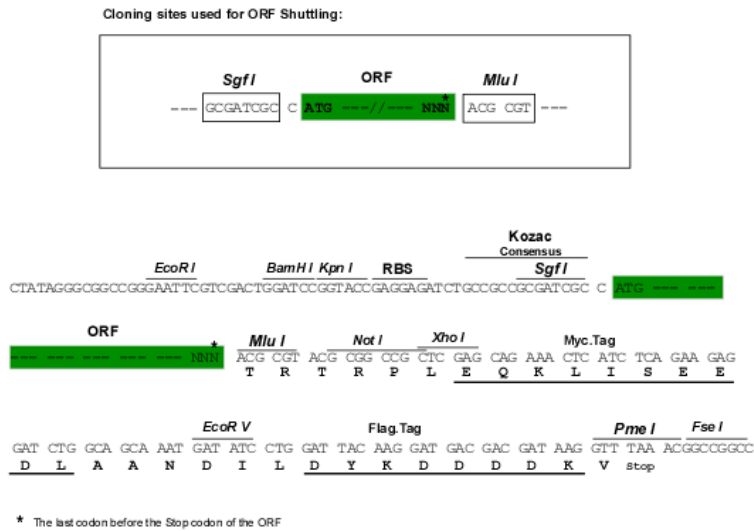
Protein Sequence: >RR217243 representing NM_001100653
Red=Cloning site Green=Tags(s)

MLDCPRLALLCALPWLRAAVPGHRAEPLKRSaelPRNPRDPARGADFRVYSGVVSLSTENIYSFNHTS
HPGQVTAVRVHVNSSDNLDPVLLVVVRQQKQVLSWQVPLPFQGLYQRSYNYQEVSRTLCPKATNETGP
LEQLIFVDVASMAPHGAHYKLLVTKIKHFQLRTNVAFYFTASPSQPQYFLYKFPEDVDSVIKVVSEKAY
PCSVVSVQNMCPVYDLHDHVEFNGVYQSMTKQAAILTKQDFPDEQFFVVFVIKPEDYACGGSFISIQENE
NQTWNLQRSKNLKVTIIVPSVKGSVYVKSSLFSVVFVLSFYLGCLLVVFVHHMRFQRKPVDGSFGSGDGS
NMAVSHPIITASTPEGSNYGAIDESSSSPGRQMSSSDGGQPCHSDTDSSVEESDFDTMPDIESDKNVIRTK
MFLYLSLDRKDRRIVSKYKIYFVNIITIAVFYALPVMQLVITYQTVVNVVTGNQDICYNFLCAHPLGV
LSAFNNILSNLGHVLLGFLFLLIVLRRDLLHRRALEAKDIFAMEYGIPKHFGLFYAMGIALMMEGVL SAC
YHVCNPNYQFDTSFMYMIAGLCMLKLYQTRHPDINASAYSAYASFVITLTVLGVVFGKNDVWFVWII
FSAIHVLASLALSTQIYYMGRFKIDVSDTDLGIFRRAAMVFYTDICIQQCSRPLYMDRMVLLIVGNLVNWS
FALFGLIYRPRDFASYMLGIFICNLLL YLAFYIIMKLRSEKVLPLPVFCIVATAVWAAALYFFFQNL S
SWEGTPAESREKNRECVLLGFFDDHDIWHFLSATALFFSFLVLLTLDDDLDVVRRDQIPVF

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001100653

ORF Size: 2493 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_001100653.1](#), [NP_001094123.1](#)

RefSeq Size: 3928 bp

RefSeq ORF: 2496 bp

Locus ID: 288109

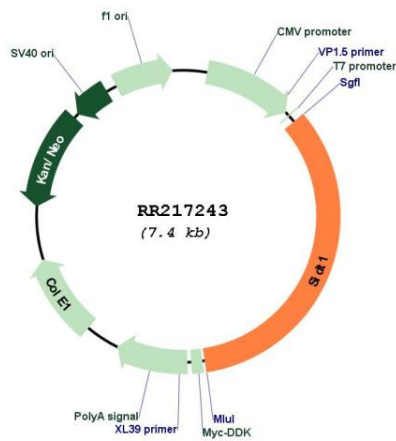
UniProt ID: [Q6Q3F5](#)

Cytogenetics: 11q21

MW: 94.1 kDa

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

Product images:



Circular map for RR217243