

Product datasheet for **RN217243**

Sidt1 (NM_001100653) Rat Untagged Clone

Product data:

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



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Fully Sequenced ORF: >RN217243 representing NM_001100653
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTCGACTGCCCGCGCTGGCGCTGCTCTGCGCGCTGCCCTGGCTCCTACGGGCGCGGTCCCTGGCC
 ACCGGGCAGAGCCCTCAAGCGGTCGGCAGAGCTGCCCGCAATCCGCGGACCCCGCCAGAGGAGCGGA
 TTTTCGATCGCGTCTACAGCGCGTGGTGTAGTCTCAGCACCGAGAACATCTACTCCTTCAACCACACCAGC
 CATCCTGGCCAGGTGACAGCCGTGCGGGTGCATGTCAACAGTTTCTCTGACAACCTGGACTACCCAGTCC
 TGGTTGTGGTTCGCCAACAGAAACAAGTGTGTCTGGCAGGTTCTCTGCCCTTCAAGGACTATACCA
 AAGGAGCTACAACACCAGGAAGTCAGCCGCACTCTATGTCCTTCTAAAGCAACCAATGAGACCGGCCCT
 TTGGAACAGCTGATCTTTGTCGACGTAGCATCCATGGCTCCCCACGGTGGCCACTACAAGTTGCTGGTCA
 CAAAAATCAAGCACTTCCAGCTCCGACGAATGTTGCCTTCTACTTCACTGCCAGCCCTCTCAACCTCA
 GTATTTTCTATACAAATTTCTGAAGATGTGGACTCCGTTATCATTAAAGTGGTGTCTGAGAAGGCTTAT
 CCGTGTTCAGTTGCTCCGTTCCAGAACATCATGTGTCCAGTGTATGATTTAGACCATGATGTGGAATTC
 ATGGTGTCTATCAGTCCATGACCAACAAGCTGCCATCACGCTGCAGAAGGATTTCCAGATGAGCAGTT
 CTTCTGGTGTGGTGTGATAAAGCCTGAAGATTATGCATGTGGTGGATCATTCTCCATCCAAGAAAATGAA
 AATCAGACCTGGAACCTACAACGATCAAAGAACCTGAAAGTGACCATTGTCCCATCTGTCAAAGGATCTG
 TGTATGTGAAATCTAGTCTTTTTCAGCGTATTCGTTTTCTGTCTTCTACTTGGGCTGCCTGCTGGTCTG
 GTTTGTCCATCACATGAGGTTCCAGAGGAAACCGTTGATGGAAGCTTTGGCTCCGGTGTGGCTCTGGA
 AATATGGCTGTCTCACATCCCATCACGGCCAGTACACCTGAAGGGAGCAATTATGGGGCAATAGACGAGT
 CGAGTCCAGTCCGGAAGGCAGATGTCTTCTCCGATGGTGGCAGCCATGCCACTCAGACACGGACAG
 CTCTGTGGAGGAGAGTGACTTCGACACTATGCCAGACATCGAAAAGTGACAAAAACGTATCCGGACCAAG
 ATGTTCTGTACCTGTCTGATCTGTCCAGGAAAGACCGGAGGATTGTGAGCAAAAAATATAAGATTTATT
 TTTGGAATATCATCACCATCGCTGTGTTTTATGCCCTGCCTGTGATGCAGCTGGTCATCACCTACCAGAC
 AGTGGTAAATGCACTGGCAACCAGGACATCTGTTACTACAACCTCCTCTGTGCTACCCCTGGGCGTC
 CTGAGCGCCTTCAATAATATTCTCAGTAACCTGGGCCAGTCTCCTGGGCTTCTCTTCTGCTGATAG
 TGCTGCGCGTGACCTTCTCCACCGAAGAGCCCTGGAGGCTAAAGACATCTTTGCTATGGAGTATGGAAT
 TCCCAAACACTTTGGTCTTCTACGCCATGGGATCGCGCTGATGATGGAAGGCGTCTCAGTGTCTGT
 TACCATGTCTGCCCTAATTACTCCAACCTCCAGTTCGACACCTCCTTCATGTACATGATTGCCGGCCTCT
 GCATGTGAAGCTCTACCAGACCCGCCACCCGGACATCAATGCCAGCGCCTACTCTGCCTATGCCTCCTT
 CGCTGTGGTCATCACACTCACGGTCTCGGAGTGGTATTTGGAACCAACGATGTGTGGTTCTGGATCATC
 TTCTCCGCTATCCACGTCCTTGCTTCTCTGGCCCTCAGCACCCAAATCTACTACATGGGCGGTTTCAAGA
 TAGATGTGTCCGACACAGATCTGGGAATCTCCGGCGCGCTGCTATGGTGTCTACACGGACTGTATCCA
 GCAATGCAGCAGACCTCTGTATATGGACAGGATGGTGTGCTCATTGTGGGAAATCTGGTAACTGGTCC
 TTTGCCCTCTTTGGATTGATCTACCGGCCAGGGACTTTGCCTCCTACATGCTGGGCATCTTCATCTGCA
 ACCTGCTGCTCTACTTGGCTTTCTACATCATCATGAAGCTTCGAAGCTCTGAGAAGGTCCCCCTACC
 AGTCTTCTGCATCGTGGCCACTGCTGTGGTGTGGGCTGCGGCCCTGTACTTTTTCTCCAGAACCTCAGC
 AGCTGGGAGGGAACCTCAGCCGAATCCCGGAGAAGAACCAGAGAGTGTGCTGCTGGGTTCTTTGATG
 ACCATGACATCTGGCACTTCTTTCTGCTACTGCCCTGTTTTTCTCATTCTGGTGTGTTGACTCTGGA
 TGACGACCTTGATGTGGTCCGACAGACCAGATCCCTGTCTTCTGA

ACGGCTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001100653
Insert Size: 2496 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	<ol style="list-style-type: none">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:	<u>NM_001100653.1, NP_001094123.1</u>
RefSeq Size:	3928 bp
RefSeq ORF:	2496 bp
Locus ID:	288109
UniProt ID:	<u>Q6Q3F5</u>
Cytogenetics:	11q21
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]