

## Product datasheet for **SC214256**

### **SIDT2 (NM\_001040455) Human 3' UTR Clone**

#### **Product data:**

Product Type:	3' UTR Clones
Product Name:	SIDT2 (NM_001040455) Human 3' UTR Clone
Symbol:	SIDT2
Synonyms:	CGI-40
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001040455
Insert Size:	1406 bp



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**Insert Sequence:** >SC214256 3'UTR clone of NM\_001040455  
The sequence shown below is from the reference sequence of NM\_001040455. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTGCAGCGGGACAAGATCTATGTCTTCAGCAGGAGCTGGGCCCTTCGCTTCACCTCAAGGGGCCCTGA
GCTCCTTTGTGTCATAGACCGGTCACTCTGTCGTGCTGTGGGGATGAGTCCCAGCACCGCTGCCAGCA
CTGGATGGCAGCAGGACAGCCAGGTCTAGCTTAGGCTTGGCCTGGGACAGCCATGGGGTGGCATGGAAC
CTTGACAGTGGCCTCTGCCGAGGAGCAGGCCTGCTCCCTGGAACCCCCAGATGTTGGCCAAATTGCTG
CTTTCTTCTCAGTGTGGGGCCTTCCATGGGCCCTGTCTTTGGCTCTCCATTTGTCCCTTTGCAAGA
GGAAGGATGGAAGGGACACCTCCCATTTTCATGCCTGCATTTTGCCTCCTCCTCCCAACAATGCC
CCAGCCTGGGACCTAAGGCCTCTTTTCTCCATACTCCACTCCAGGGCCTAGTCTGGGGCCTGAAT
CTCTGTCTGTATCAGGGCCCCAGTTCTCTTTGGGCTGTCCCTGGCTGCCATCACTGCCATTCCAGTC
AGCCAGGATGGATGGGGGTATGAGATTTGGGGGTTGGCCAGCTGGTGCCAGACTTTTGGTGCTAAGGC
CTGCAAGGGGCCTGGGGCAGTGCCTATTCTTCCCTCTGACCTGTGCTCAGGGCTGGCTCTTTAGCAA
TGCGCTCAGCCCAATTTGAGAACCCTTCTGATTCAAGAGGCTGAATTCAGAGGTCACCTCTTTCATCC
CATCAGCTCCCAGACTGATGCCAGCACCAGGACTGGAGGGAGAAGCGCCTCACCCCTTCCCTTCTTCT
TTCCAGGCCCTTAGTCTTGCCAAACCCAGCTGGTGGCCTTTTCAGTGCCATTGACACTGCCCAAGAATG
TCCAGGGGCAAAGGAGGGATGATACAGAGTTTACGCCGTTCTGCCTCCACAGCTGTGGGCACCCAGTG
CCTACCTTAGAAAGGGGCTTTCAGGAAGGGATGTGCTGTTTCCCTCTACGTGCCAGTCTAGCCTCGCT
CTAGGACCCAGGGCTGGCTTCTAAGTTTCCGTCCAGTCTTCAGGCAAGTCTGTGTTAGTCATGCACAC
ACATACCTATGAAACCTTGGAGTTTACAAGAATTGCCCCAGCTCTGGGCACCCCTGGCCACCCTGGTCC
TTGGATCCCTTCTGCCACCTGGTCCACCCAGATGCTGAGGATGGGGGAGCTCAGGCGGGCCTCTG
CTTTGGGGATGGGAATGTGTTTTTCTCCAAACTTGTTTTTATAGCTCTGCTTGAAGGGCTGGGAGATG
AGGTGGGTCTGGATCTTTTCTCAGAGCGTCTCCATGCTATGGTTGCATTTCCGTTTTCTATGAATGAAT
TTGCATTCAATAAACAACCAGACTCA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
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**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_001040455.2](#)

**Summary:** Mediates the translocation of RNA and DNA across the lysosomal membrane during RNA and DNA autophagy (RDA), a process in which RNA or DNA is directly imported into lysosomes in an ATP-dependent manner, and degraded (PubMed:27046251, PubMed:27846365). Involved in the uptake of single-stranded oligonucleotides by living cells, a process called gymnosis (PubMed:28277980). Involved in the uptake of single-stranded oligonucleotides by living cells, a process called gymnosis. In vitro, mediates the uptake of linear DNA more efficiently than that of circular DNA, but exhibits similar uptake efficacy toward RNA and DNA. Binds long double-stranded RNA (dsRNA) (500 - 700 base pairs), but not dsRNA shorter than 100 bp (By similarity).[UniProtKB/Swiss-Prot Function]

**Locus ID:** 51092

**MW:** 51.7