

Product datasheet for **RC224950**

SIDT1 (NM_017699) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIDT1 (NM_017699) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SIDT1
Synonyms:	SID-1; SID1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RC224950 representing NM_017699
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCGCGGCTGCCTGCGGCTCGCGCTGCTCTGCGCGCTGCCCTGGCTCCTGCTGGCGGCGTCGCCCGGGC
ACCCGGCGAAATCCCCAGGCAGCCCCCGCACCGCGCCGCGACCCCTTCGACGCTGCCAGGGCGCCGA
TTTCGATCATGTCTACAGCGGGTGGTGAACCTCAGCACCGAGAACATCTACTCTTCAACTACACCAGC
CAGCCCGACCAGGTGACAGCCGTGAGGGTGTATGTGAACAGTTCCCTCTGAGAATCTCAACTACCCGGTCC
TTGTTGTGGTTCGCCAGCAGAAAGAGGTGCTGTCTGGCAGGTTCCCTCTGCTCTTCCAAGGACTATACCA
GAGGAGCTACAATATCAAGAAGTGAGCCGCACCTTATGTCCCTCAGAAGCAACCAATGAGACGGGACCC
TTGCAGCAACTGATATTTGTAGATGTCGCATCCATGGCACCCCTGGGTGCTCAGTACAACTGCTAGTTA
CCAAGCTGAAGCACTCCAGCTCCGACAAATGTTGCCTTTCACCTTACTGCCAGCCCTCTCAACTCA
GTATTTCTATAAAGTTTCCCAAAGACGTGGACTCAGTTATCATTAAAGTGGTGTCTGAAATGGCTTAT
CCATGTTCTGTTGCTCAGTCCAGAATATCATGTGCCCGGTGTATGATCTCGACCACAATGTGGAATTTA
ATGGTGTCTATCAGTCCATGACCAAGAAAGCTGCCATCACGCTACAGAAGAAGGATTTCCAGGCGAGCA
GTTCTTCGTGGTATTTGTGATAAAGCCTGAAGATTATGCCTGTGGAGGATCTTCTTTCATCCAGGAAAAG
GAAAACAGACCTGGAATCTACAGCGAAAAAAGAACCTTGAAGTGACCATTGTCCCTTCCATTAAGAAT
CTGTTTATGTGAAATCCAGTCTTTTCAGTGTCTTCATCTTCTGTCTTCTACTTGGGATGCCTTCTTGT
TGGGTTTGTTCATTATCTGAGGTTTCAGAGAAAATCCATTGATGGAAGCTTTGGGTCCAATGATGGCTCT
GGAAATATGGTGGCATCTCATCCATTGCTGCCAGCACACCCGAAGGGAGCAATTATGGGACAATAGATG
AGTCAAGCTCCAGTCTTGAAGGCAGATGTCCTCCTCGATGGTGGGCCACCGGGCCAGCAGACACAGA
CAGCTCCGTGGAGGAGAGCGACTTCGACACCATGCCAGACATTGAGAGTGATAAAAAACATCATCCGGACC
AAGATGTTCTTTACCTGTGAGATTTGTCCAGGAAGGACCGGAGAATTGTGAGCAAAAAATATAAAATTT
ATTTTTGGAACATCATCACCATTGCTGTGTTTTACGCGCTGCCCGTGATCCAGCTGGTCACTTACCTATCA
GACAGTGGTAAATGCTACTGGCAACCAGGACATCTGTTACTACAACCTTCTGTGCTCACCCCTTGGGC
GTCCTGAGTGCCTTCAACAACATTCTCAGCAATCTGGGCCAGTGCTTCTGGGCTTCTTCTCTGCTGA
TAGTCTTGGCGCCGACATCCTCCATCGGAGAGCCCTGGAAGCCAAGGACATCTTGTGTGGAGTACGG
GATTCCCAAACACTTTGGTCTCTTACGCTATGGCATTGCATTGATGATGGAAGGGGTGCTCAGTGT
TGCTACCATGTCTGCCCTAATTATCCAACCTCCAATTGACACCTCCTCATGTACATGATCGCTGGCC
TGTGCATGCTGAAGCTCTATCAGACCCGCCACCCAGACATCAATGCCAGCGCCTACTCTGCCTATGCCTC
CTTTGCTGTGGTCATCATGGTCACCGTCTTGGAGTGGTGTGAAAAAATGACGTATGGTTCTGGGTC
ATCTTCTCTGCAATCCACGTTCTGGCCTCGCTAGCCCTCAGCACCCAGATATATTATATGGGTCGTTTCA
AGATAGATTTGGGAATTTCCGGCGGGCTGCCATGGTGTCTACACAGACTGTATCCAGCAGTGTAGCCG
ACCTCTATATAGGATAGAATGGTGTGCTGGTGTGGGGAATCTGGTTAACTGGTCTTCCGCCCTTT
GGATTGATATACCGCCCCAGGACTTTGCTTCTACATGCTGGGCATCTCATCTGTAACCTTTTGTGT
ACCTGGCCTTTTACATCATCATGAAGCTCCGACGCTCTGAAAAGTCTCCAGTCCCGCTCTTCTGCAT
CGTGGCCACCGCTGTGATGTGGGCTGCCGCCATATTTTTTCTCCAGAATCTCAGCAGCTGGGAGGGA
ACTCCGGCCGAATCCCGGAGAAGAACCAGAGTGCATTCTGCTGGATTTCTTCGATGACCATGACATCT
GGCACTTCTCTGCTACTGCTCTGTTTTCTATTCTTGGTTTTGTTAACTTTGGATGATGACCTTGA
TGTGGTTCGGAGAGACCAGATCCCTGTCTTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC224950 representing NM_017699
Red=Cloning site Green=Tags(s)

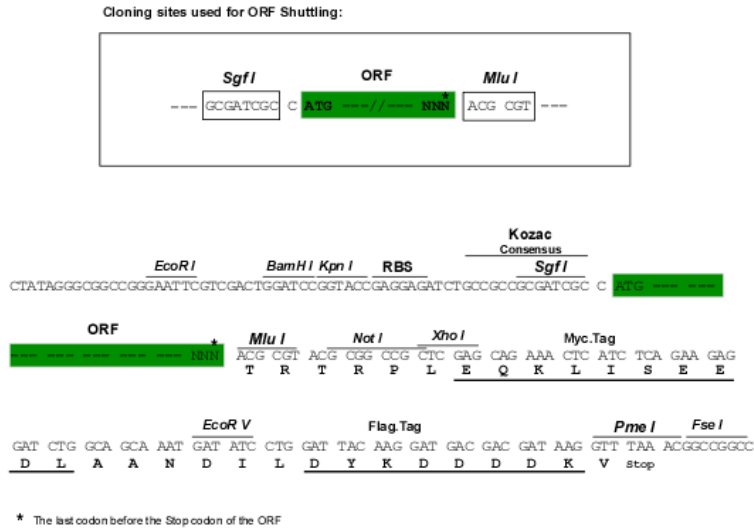
MRGCLRLALLCALPWLLLAASPGHPAKSPRQPPAPRRDPFDAARGADFDHVYSGVVNLSTENIYSFNYS
QPDQVTAVRVYVNSSSENLYPVLVVVRQQKEVLSWQVPLLFQGLYQRSYNYQEVSRSLCPSEATNETGP
LQQLIFVDVASMPLGAQYKLLVTKLKHFLRTNVAHFHTASPSQPQYFLYKFKPDVDSVIKVVSEMA
PCSVVSVQIMCPVYDLDHNVFNGVYQSMKKAATLQKKDFPGEQFFVVFVIKPEDYACGGSFFIQEK
ENQTNLQRKKNLEVTIVPSIKESVYVKSSLFSVFIFLSFYLGCLLVGFVHYLRFQRKSIDGSFGSNDGS
GNMVASHPIAASTPEGSNYGTIDESSSPGRQMSSSDGGPPGQSDTDSSVEESDFDTMPDIESDKNIIRT
KMFLYLSLDRKDRRIVSKKYIYFVNIITIAVFYALPVIQLVITYQTVVNVGTGNQDICYNFLCAHPLG
VLSAFNNILSNLGHVLLGFLFLIVLRRDILHRRALEAKDIFAVEYGIPKHGFLFYAMGIALMMEGVLSA
CYHVCNPYSNFQFDTSMYMIAGLCMLKLYQTRHPDINASAYSAYASFVVMVTVLGVVFGKNDVWFVW
IFSAIHVLASLALSTQIYYMGRFKIDLGIFRRAAMVFYTDICIQQCSRPLYMDRMVLLVVGNLVNWVFALF
GLIYRPRDFASYMLGIFICNLLLYLAFYIIMKLSSEKVLVPLFCIVATAVMWAALYFFFQNLSSWEG
TPAESREKNRECILLDFDDHDIWHFLSATALFFSFLVLLTLDDDLDVVRRDQIPVF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

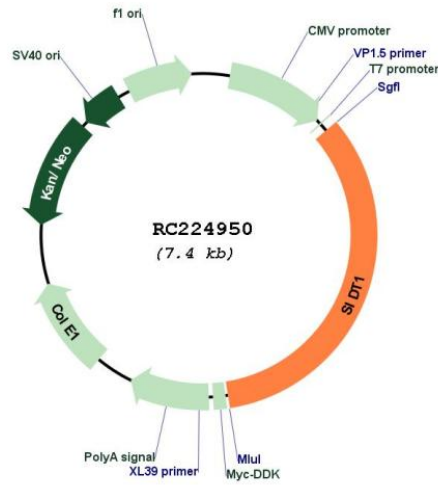
Chromatograms: https://cdn.origene.com/chromatograms/mg4310_a01.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



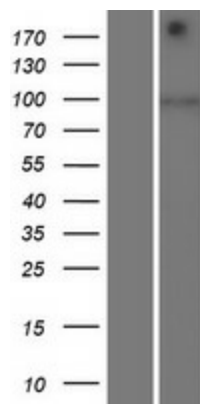
Plasmid Map:



ACCN:

NM_017699

ORF Size:	2481 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:	<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:	NM_017699.3
RefSeq Size:	5021 bp
RefSeq ORF:	2484 bp
Locus ID:	54847
UniProt ID:	Q9NXL6
Cytogenetics:	3q13.2
Protein Families:	Transmembrane
MW:	93.7 kDa
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]

Product images:

Western blot validation of overexpression lysate (Cat# [LY413608]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC224950 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).