

Product datasheet for **RG224950**

SIDT1 (NM_017699) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SIDT1 (NM_017699) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SIDT1
Synonyms:	SID-1; SID1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG224950 representing NM_017699
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCGCGGCTGCCTGCGGCTCGCGCTGCTCTGCGCGCTGCCCTGGCTCCTGCTGGCGGCGTCCCGGGGC
 ACCCGGGCAAATCCCCAGGCAGCCCCCGCACCGCGCCGCGACCCCTTCGACGCTGCCAGGGGCGCCGA
 TTTTCGATCATGTCTACAGCGGGGTGGTGAACCTCAGCACCGAGAACATCTACTCTTTCAACTACACCAGC
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 GAGGAGCTACAATCAAGAAGTGAGCCGCACCTTATGTCCCTCAGAAGCAACCAATGAGACGGGACCC
 TTGCAGCAACTGATATTTGTAGATGTCGCATCCATGGCACCCCTGGGTGCTCAGTACAACTGCTAGTTA
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 GTATTTCTATAAAGTTTCCAAAGACGTGGACTCAGTTATCATTAAAGTGGTGTCTGAAATGGCTTAT
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 CGTGGCCACCGCTGTGATGTGGGCTGCCGCCATATTTTTTCTCCAGAATCTCAGCAGCTGGGAGGGA
 ACTCCGGCCGAATCCCGGAGAAGAACCAGAGTGCATTCTGCTGGATTTCTCGATGACCATGACATCT
 GGCACTTCTCTGCTACTGCTCTGTTTTCTATTCTTGGTTTTGTTAACTTTGGATGATGACCTTGA
 TGTGGTTCGGAGAGACCAGATCCCTGTCTTC

ACGGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG224950 representing NM_017699
 Red=Cloning site Green=Tags(s)

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MRGCLRLALLCALPWLLLAASPGHPAKSPRQPPAPRRDPFDAARGADFDHVYSGVVNLSTENIYSFNYS
QPDQVTAVRVYVNSSSENLYPVLVVVRQQKEVLSWQVPLLFQGLYQRSYNYQEVSRSLCPSEATNETGP
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PCSVVSVQNMCPVYDLDHNVFNGVYQSMTKKAAITLQKKDFPGEQFFVVFVIKPEDYACGGSFFIQEK
ENQTNLQRKKNLEVTIVPSIKESVYVKSSLFSVFIFLSFYLGCLLVGFVHYLRFQRKSIDGSFGSNDGS
GNMVASHPIAASTPEGSNYGTIDESSSPGRQMSSSDGGPPGQSDTDSSVEESDFDTMPDIESDKNIIRT
KMFLYLSDLSRKDRRIVSKKYKIYFVNIITIAVFYALPVIQLVITYQTVVNVVTGNQDICYNFLCAHPLG
VLSAFNNILSNLGHVLLGFLFLIVLRRDILHRRALEAKDIFAVEYGIPKHGFLFYAMGIALMMEGVLSA
CYHVCNYSNFQFDTSMYMIAGLCMLKLYQTRHPDINASAYSAYASFVVMVTVLGVVFGKNDVWFVW
IFSIAIHLASLALSTQIYYMGRFKIDLGIFRAAMVFYTDICIQQCSRPLYMDRMVLLVVGNLVNWVFALF
GLIYRPRDFASYMLGIFICNLLLYLAFYIIMKLSSEKVLVPLFCIVATAVMWAALYFFFQNLSSWEG
TPAESREKNRECILLDFDDHDIWHFLSATALFFSFLVLLTLDDDLDVVRRDQIPVF
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TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

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_017699.3](#)

RefSeq Size: 5021 bp

RefSeq ORF: 2484 bp

Locus ID: 54847

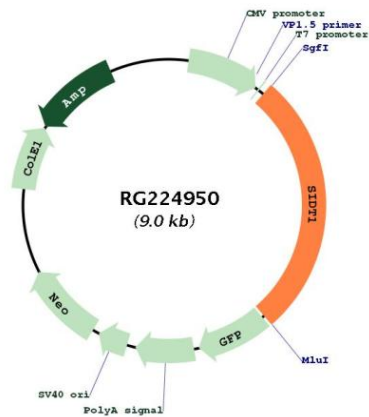
UniProt ID: [Q9NXL6](#)

Cytogenetics: 3q13.2

Protein Families: Transmembrane

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:



Circular map for RG224950