

Product datasheet for **MG207112**

Sidt1 (BC025888) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Sidt1 (BC025888) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Sidt1
Synonyms:	AW045928; B830021E24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207112 representing BC025888
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTCTTCTCCGATGGTGGCAGCCTTGCCACTCAGACACGGACAGCTCTGTGGAGGAGAGTGACTTCG
 ACACCATGCCTGACATCGAAAGCGACAAAAACGTCATCCGGACCAAGATGTTCTGTACCTGTCAGATCT
 GTCCAGGAAGGACCGGAGGATTGTCAGCAAAAAGTATAAGATTTATTTTTGGAACATCATCACCATCGCT
 GTGTTTTATGCACTGCCTGTGATGCAGCTTGTATCACCTACCAGACAGTGGTGAATGCACTGGCAACC
 AGGATATCTGTTACTACAACCTCTTTGTGCTACCCCTGGGTGCTGAGCGCCTTCAATAATATTCT
 CAGTAACCTGGGCCACGTACTCCTGGGCTTCTCTTCTGCTGATAGTTCTGCGCAGGGACCTTCTCCAC
 CGAAGAGCCCTGGAAGCTAAAGACATCTTTGCTATGGAGTACGGTATCCCAAACACTTTGGTCTCTTCT
 ACGCTATGGGGATAGCACTGATGATGGAGGGCGTCTCAGTGCTTGTACCATGTCTGCCCTAATTACTC
 CAACTTCCAGTTCGACACTTCTTCATGTACATGATCGCTGGCCTCTGCATGCTGAAGCTCTATCAGACC
 CGCCACCCGGACATCAACGCCAGTGCCTACTCTGCTTACGCCCTCCTTCGCTGTGGTCATCACACTGACGG
 TCCTCGGAGTGGTGTGGAAAAACGATGTGTGGTCTGGATCATCTTCTCTGCCATCCACATTCTCTC
 TTCTCTGGCCCTCAGACCCAAATCTACTACATGGGCCGTTTCAAGATAGATCTGGGAATCTTCCGGCGG
 GCTGCTATGGTGTCTACACGGACTGTATCCAGCAATGCAGCAGACCTCTGTATATGGACAGGATGGTGT
 TGCTCATTGTGGGAAATCTGGTTAACTGGTCTTTGCCTTCTTTGGATTGATCTACCGGCCCAGGGACTT
 TGCTCCTACATGCTGGGCATCTTACCTGCAACCTGCTGCTGTACTTGGCTTTTACATCATCATGAAG
 CTTGCAAGCTCTGAGAAAGTCTCCCTACCAGTCTTCTGCATCGCGGCCACTGCCGTGGTGTGGGCTG
 CGGCAGTACTTCTTCTCCAGAACCTCAGCAGCTGGGAGGGGACTCCTGCAGAATCCCGGAGAAGAA
 CCGTGAGTGTCTGCTGGATTTCTTTGATGACCATGACATCTGGCACTTCTCTCTGCGACTGCCCTG
 TTTTCTCATTCTGGTGTCTGTTGACCCTGGATGACCTGGATGTGGTCCGGAGAGACCAGATCCCTG
 TCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207112 representing BC025888
 Red=Cloning site Green=Tags(s)

MSSSDGGQPCHSDTDSSVEESDFDTMPDIESDKNVIRTKMFLYLSLDRKDRRIVSKKYKIYFVNIITIA
 VFYALPVMQLVITYQTVVNVNVTGNQDICYNFLCAHPLGVL SAFNNILSNLGHVLLGFLFLLIVLRRDLLH
 RRALAKDIFAMEYGIKHFGLFYAMGIALMMEGVLSACYHVCPNYSNFQFDT SFMYMIAGLCMLKLYQT
 RHPDINASAYSAYASFVITLTVLGVVFGKNDVWFWIFSAIHILSSLALSTQIYYMGRFKIDLGI FRR
 AAMVFYTDICIQQCSRPLYMDRMVLLIVGNLVNWSFAFFGLIYRPRDFASYMLGIFICNLLLYLAFYIIMK
 LRSSEKVLPLPVFCIAATAVVWAAALYFFQNLSSWEGTPAESREKNRECVLLDFDHDHDIWHFLSATAL
 FFSFLVLLTDDDLDVVRRDQIPVF

TRTRPLE - GFP Tag - V

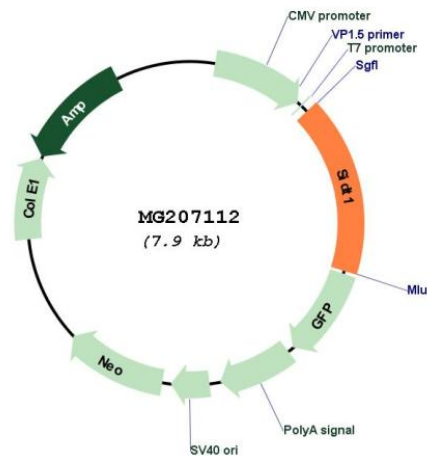
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC025888

ORF Size: 1337 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:	<u>BC025888</u> , <u>AAH25888</u>
RefSeq Size:	2593 bp
RefSeq ORF:	1337 bp
Locus ID:	320007
Cytogenetics:	16 B4
Gene Summary:	In vitro binds long double-stranded RNA (dsRNA) (500 and 700 base pairs), but not dsRNA shorter than 300 bp (PubMed:26067272). Not involved in RNA autophagy, a process in which RNA is directly imported into lysosomes in an ATP-dependent manner, and degraded (PubMed:27046251).[UniProtKB/Swiss-Prot Function]