

Product datasheet for **MG207055**

Sdc3 (NM_011520) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sdc3 (NM_011520) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Sdc3
Synonyms: mKIAA0468; syn-3; Synd3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG207055 representing NM_011520
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCCCGGGCCGCCGCGCCGGGACCGCACAGGGGACGCGTGGACACCGCCACCCATGCGCCCG
GGGCCCGGGCTGTTGCTGCCACCGCTGCTGCTGCTGCTGGCCGGCCGCGCCGGGGCTCAACG
CTGGCGCAATGAGAACTCGAGAGGCCGGTGGATCTTGAGGGCTCAGGGGATGACGACTCGTTTCTGAT
GATGAAGTACGACACTACTCGGGTCAAGGCTGCTGCTACTTCGAGCAGGAGTCCGGCCTTGAGACGG
CCATGCGGTTTCATCCCTGATATGGCCCTGGCTGCGCCACTGCACCTGCCATGCTACCCACAACCGTTAT
CCAGCCCGTGGACACCCATTTGAGGAACTCCTTTCTGAGCACCCAGCCCTGAACCAAGTACCAGTCCC
CCGCTGGTGACAGAGGTGACAGAGTCCGTAGAAGTCCAGCCAGAAAGTACCACCATCTACCACCA
CATCTACCACCGCGCCACCACCACAGGGGCCCAACTATGGCCACAGCACCTGCCACAGCAGCCACCAC
TGCCCCTAGCACTCCCGAGGCGCCCCCTGCCACGGCTACCGTGGCTGACGTAAGGACCACCGGCATACAG
GGGATGCTGCCTTCCCTGACCACAGCTGCCACAGCAAGTCACTACCCAGCAGCACCTCACCAC
CCACTACTGTGGTACCTTGGACACAGAGGCCCGACACCTAGGCTGGTCAACACAGTACCTCGAGGCC
ACGAGCCCTTCTCGCCAGTCAACACAGGAGCCTGATGTTGCTGAGAGGATACCCTGCCGTTGGGG
ACCACGGCTCCTGGACCCAGGAGATGGCTCAGACCCCAACTCCAGAGTCCCTTCTGACCACCATCCAGG
ATGAGCCAGAGGTGCCAGTAAGTGGGGGCCAGCGGGGACTTTGAGCTTCAAGAAGAGACCAGCAGCC
GGACACGGCCAATGAGGTGGTGGCTGTGGAAGGAGCCGCGGCCAAGCCGTACCTCCACTGGGGACTG
CCCAAGGGTGCCCGCCAGGCCCTGGCCTCCACGACAATGCCATCGATTCGGGCAGCTCGGCCGCCAGC
TCCCTCAGAAGAGCATACTGGAGCGGAAGGAGGTGCTCGTAGCCGTGATCGTGGTGGGGTGGTGGCGC
CCTCTCGCTGCCTTCTGGTCAAGTCTCATCTACCGCATGAAGAAGAAGGACGAAGGCAGCTACACC
TTGAAGAACCAAGCAGGCAAGCGTACGTACCAGAACTGACAAGCAGGAGGAGTTCTACGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG207055 representing NM_011520
 Red=Cloning site Green=Tags(s)

MKPGPPRRGTAQGQRVDTATHAPGARGLLLPLLLLLLAGRAAGAQRWRNENFERPVDLEGGDDDSFPD
 DELDDL YSGSGSGYFEQESGLE TAMRF IPDMAL AAPTAPAMLPTTVIQPVDTPFEELLSEHPSPEPVTSP
 PLVTEVTEVVEESSQKATTISTTTSTTAATTTGAPTMTAPATAATTAPSTPEAPPATATVADVRTTGIQ
 GMLPLPLTTAATAKITTPAAPSPTTVATLDTEAPT PRLVNTATSRPRALPRPVTTQEPDVAERSTLPLG
 TTAPGPTEMAQTPTPESLLTTIQDEPEVPVSGGPSGDFELQEETTQPDANEVVAVEGAAAKPSPPLGTL
 PKGARPGPLHDNAIDSGSSAAQLPQKSILERKEVLVAVIVGGVVGALFAFLVTLIIYRMKKKDEGSYT
 LEEPQASVTYQKPKDKQEEFYA

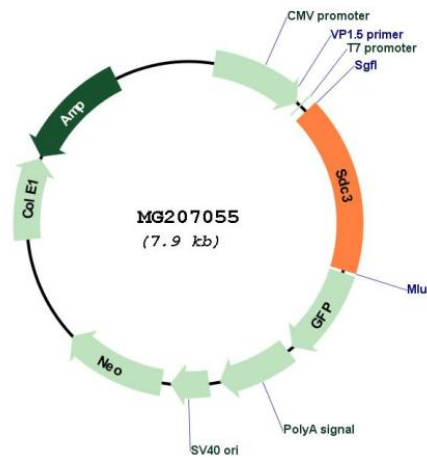
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_011520

ORF Size:	1326 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_011520.3 , NP_035650.2
RefSeq Size:	4972 bp
RefSeq ORF:	1329 bp
Locus ID:	20970
UniProt ID:	Q64519
Cytogenetics:	4 63.63 cM
Gene Summary:	Cell surface proteoglycan that may bear heparan sulfate. May have a role in the organization of cell shape by affecting the actin cytoskeleton, possibly by transferring signals from the cell surface in a sugar-dependent mechanism (By similarity).[UniProtKB/Swiss-Prot Function]