

Product datasheet for **MG201975**

Sdc4 (NM_011521) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sdc4 (NM_011521) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Sdc4
Synonyms: AA959608; AW108331; ryudocan; S4; Synd4; syndecan-4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201975 representing NM_011521
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCCTGCCTGCCTGCTTGGCCGCTGCTGCTGCTCCTCGGAGGCTTCCCCTTGGTCCCCGGAG
AGTCGATTCGAGAGACAGAGGTCATCGACCCAGGACCTCTGGAAGGCAGATACTTCTCTGGAGCCCT
CCCCGACGACGAAGATGCTGGCGGCTCGGATGACTTTGAGCTCTCGGTTCTGGAGATCTGGATGACAGC
GAGGAGCCAGGCCCTTCCCTGAAGTGATTGAGCCCTTGGTGCCACTGGATAACCCACATCCCTGAGAATG
CACAGCCTGGCATCCGTGTCCCCTCAGAGCCCAAGGAAGTGAAGAGAATGAGGTCATTCCTAAAAGGGC
CCCTCCGACGTGGGGATGACATGTCCAACAAAGTATCCATGTCCAGCACTGCCAGGGCAGCAACATC
TTGAGAGAAGTGAAGTCTTGGCAGCTCTGATCGTGGCGGCGTGGTAGGCATCCTCTTTGCCGTTTTCC
TGATCCTGCTGCTGGTGTACCGCATGAAGAAGAAGGACGAAGGCAGTTACGACTTGGCAAGAAACCCAT
CTACAAAAAGCCCCACCAATGAGTTCTACGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201975 representing NM_011521
Red=Cloning site Green=Tags(s)

MAPACLLAPLLLLLLGGFPLVPGESIRETEVIDPQDLLEGRYFSGALPDDDEDAGGSDDFELSGSGDLDDT
EPRPFPEVIEPLVPLDNHIPPENAPQGIKRVSEPKLEENEVIPKRAPSDVGDMSNKKVSMSTAQGSNI
FERTEVLAALIVGGVVGILFAVFLILLVYRMKKKDEGSYDLGKKPIYKKAPTNEFYA

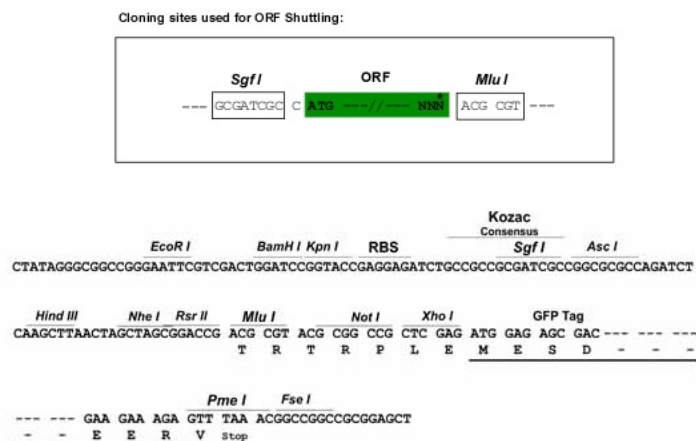
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_011521

ORF Size: 594 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:

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_011521.2](#), [NP_035651.1](#)

RefSeq Size: 2460 bp

RefSeq ORF: 597 bp

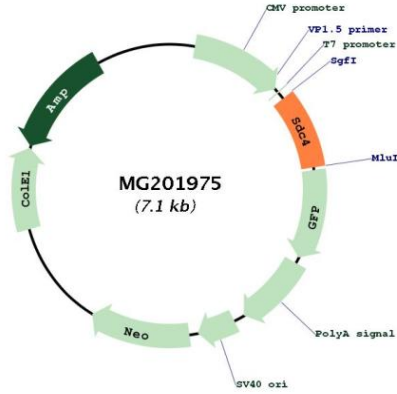
Locus ID: 20971

UniProt ID: [O35988](#)

Cytogenetics: 2 85.16 cM

Gene Summary: Cell surface proteoglycan that bears heparan sulfate. Regulates exosome biogenesis in concert with SDCBP and PDCD6IP.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG201975