

Product datasheet for **MG205506**

Sdccag3 (BC031199) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Sdccag3 (BC031199) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Sdccag3 |
| Synonyms: | C330016H24Rik; C630038K21Rik |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG205506 representing BC031199 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGGCTACGCGGGCGGCAGGGCGGCCCCCTCTATCGCGGACGCGGAGCCTTGTGGTTCCCGACG
GTGACAACTTGAAGACCTTGAAGAAGCCAATCCATTCTCCTTCAAAGAGTTTTTAAAACCAAGAACCT
CAGCCTGTCAAAGAAGACACGACCACCAGCCGAATTTACCAAAGGAAGCCTCAAGGCACCCACTGGGA
CTAGAGCACAGCTCCCTGCCTCCAGCTCATGGGATATGGCCTGGAATCTCAGCAGCCATTTTTGAAG
ACCAACAAGAGCCAGCAACCTAGAGGAGGATGAAGATGATGGATGGAATATAACCTACTTGCCATCTGC
CGTGGATCAGACTCATTCTCTAGAGACACACAGGACTCACCGCCTGTGACACCTACCTTTCCTTTTTT
TCCAACTCGTCAGAGCTGGCATGTCCCGAGTCTTTGCCCCATGGACGCTGAGTGACACCGACTCCAGGA
TCTCCCGAGCGTCTCCAGCTGGGAGTCCTAATGCAGACTTTGCAGCTCATGAAGAATCCCTAGGGGACAG
ACACCTGCGGACGCTGCAGATAAGTTATGAAGCACTGAAAGATGAAAACCTAAGCTCAGAAGAAAGCTA
AATGAGGTTTCAAGCTTCTGAACTCAAACAGAAATGGTGAGGACACTCGAACGGAAGTTGGAGGCGA
AGATGATCAAGGAGGAGAGTGACTTCCATGACCTCGAGTCAGTAGTCCAGCAAGTGAACAGAACCTTGA
ACTGATGACCAACCGGCTGTAAAAGCAGAAAAATCATGTCTTGAAGCTGAAACAGGAAATAAATTTGCTT
CAGGCCAGCTCTCAAACCTTGAGGCGAGAAAAATGAAGCCCTGCGGTCAGGCCAGGTTGCCAGCCTTTCTG
TAGTGAAGCAGAACACCGACCTGGCCTTGCAGAACCTCCACCTTGTGATGAACAGTGCACACGCATCCAT
AAAGCAGCTGGTGTCTGGGGCAGACACACTGAACCTTGTGCTGAAATCCTCAAGTCTATCGACAGAATT
AGTGAAGTTAAGATGAGGTGGACTCT

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG205506 representing BC031199
 Red=Cloning site Green=Tags(s)

MSGYARRQGAPLSRTRSLVVPDGDKLEDLEEANPFSFKEFLKTKNLSL SKEDTTTSRIYPKEASRHPLG
 LEHSSPASQLMGYGLSEQPFFEDPTRASNLEEDDDGWNITYLPSAVDQTHSSRDTQDSPPCDTYLSFF
 SNSSELACPELPPWTLSDTDSRISPASPAGSPNADFAAHEESLGDRLRLQLISYEALKDENSKLRRKL
 NEVQSFSETQTEMVRTLERKLEAKMIKEESDFHDLESVVQQVEQNLELMTKRAVKAENHVLKQKQEI
 NLLQAQLSNLRRNEALRSGQGASLSVVKQNTDVALQNLHLVMNSAHASIKQLVSGADTLNLVAEILKSIDRI
 SEVKDEVDS

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC031199

ORF Size: 1079 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: [BC031199](#), [AAH31199](#)

RefSeq Size: 1962 bp

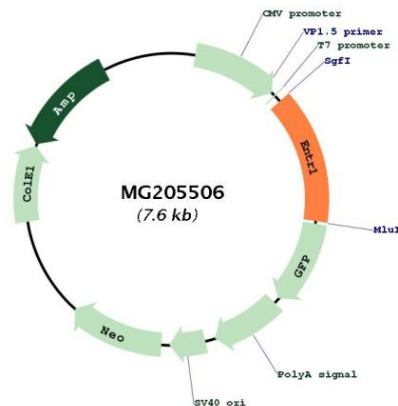
RefSeq ORF: 1079 bp

Locus ID: 68112

Cytogenetics: 2 A3

Gene Summary: May be involved in modulation of TNF response. May be involved in presentation of TNFRSF1A on the cell surface (PubMed:16332174). Involved in the endosome-to-plasma membrane trafficking and recycling of SNX27-retromer-dependent cargo proteins, such as GLUT1. Involved in the regulation of cytokinesis; the function may involve PTPN13 and GIT1 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205506