

## Product datasheet for **MG205489**

### Snapc2 (NM\_133968) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Snapc2 (NM_133968) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Snapc2
Synonyms:	0610007H10Rik; AU015675
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205489 representing NM_133968 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCCACCGCAGAGACGGCGGAGGGTCCCAGCACGCTACGTAGGTGAAGCTACGGGCCCCACCGCTT  
GGAGCCCCCGGAGATGCGGCATCTACTGAGACTACTTCAGGCTCGCCGGGGCCAGCCGGAGCCAGACGC  
CGCGGAGCTGGCCAGGAGCTGCGAGGCCGAGCGAGGCCGAGATCTGTCGCTTTATCCAGCAGCTCAAG  
GGCCGGGTGGTTCGAGAGGCCATTAGAAGATGCAGCCAGGTGGCAGAGAGGGGCCAAGGCATCAAGGAA  
CACCGCTCCCAGCCCCGTAGAGGTATGGATGGATCTTGCTGAGAACTAACAGGCCCAATGGAGGAAGC  
CCTGACTGCAGCTTTCTCCCAGGTGCTCACCATTGCTGCTGCAGAACCCTCAGCCTCCTGCACTCCAGG  
CCAGGCAAGCCCAAAAGGCCCGTGAAAAGGCACTGGTGTCTTGAGCAACCAAGATGGGCAGAAGGATC  
CTGCATCTGAAGGTTCTGGGCTGTCCCATGACTGCTGCTGACCCTACTCGTGAGGCTTCTGTCTCTGA  
CCCTAAGGCTCTGGAGCCAACCCTGAGACCTCTGGCCTTGCCCTCAGAGGTCACTGTCCCTGACCCTGAT  
GCCCCAACCAAGTCCCTGGCTGGATCCTCCACAGAGAGAGACCTTGCTGTGGACTTTGAGAAGATCTACA  
AATACCTTTCTCTCCTCCAGAGGTGGCCATGGCCCTGAGCTCTCAGCAGCTGAGTCAGCTGTGGTCTCT  
TAACCTGCTCATGGCACTTCCAGAGGAAGTGTCCACCTGCCTTGACCGCCCTGCTGGAACATATGACC  
AAAACATATGCTCAACTGATGGCTCCCCAGACCGCTCTCCCTGGAGAGAAGAGGCCAGGCCCTGGGACTG  
AAGATGGAGGGACTGGCTCCACAGGGCCAGAGGAGCCTGACCAAGCTAGTCTCAAGCTTCTGAGCCAT  
AGAGCCGAGGCTGGCCTGAAAAGCAGTTGGGATCTGCCACTGAACCCGTTCTGTTACCCTGGGCCTC  
GTGAGCCAGGCCCCAGCCCTTCGAGG

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG205489 representing NM\_133968  
Red=Cloning site Green=Tags(s)

MKPPQRRRRVPARYVGEATGPTAWSPREMRHLLRLLQARRGQPEPDAAELAQELRGRSEAEICRFIQQLK  
 GRVYREAIQKMQPGGREGPRHQGTPLPAPVEVWMDLAEKLTGPMEEALTAASQVLTIAAAEPLSLLHSR  
 PGKPTKARGKALVFLSNQDGQKDPASEGSGPVPMTAADPTREASVSDPKASGANPETSGLASEVTVDPDP  
 APTKSLAGSSTERDLAVDFEKIYKYLFSRGGHGPELSAAESAVVLNLLMALPEELSHLPCTALLEHMT  
 KTYAQLMAPQTALPGEKRPRPGTEDGGTGSTGPEEPDQASPQASEPIEPRLAWKAVGICPLNPFVPLGL  
 VSQAPSPSR

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_133968

**ORF Size:** 1077 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\\_133968.1](#), [NP\\_598729.1](#)

**RefSeq Size:** 1528 bp

**RefSeq ORF:** 1080 bp

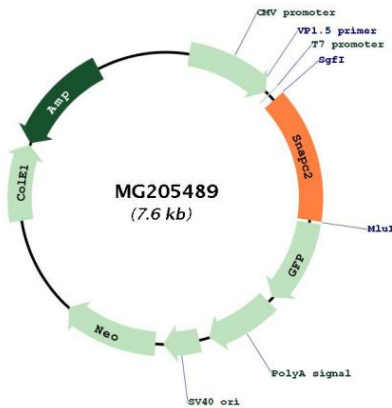
**Locus ID:** 102209

**UniProt ID:** [Q91XA5](#)

**Cytogenetics:** 8 A1.1

**Gene Summary:** Part of the SNAPc complex required for the transcription of both RNA polymerase II and III small-nuclear RNA genes. Binds to the proximal sequence element (PSE), a non-TATA-box basal promoter element common to these 2 types of genes. Recruits TBP and BRF2 to the U6 snRNA TATA box (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG205489