

## Product datasheet for **RR203230**

### Snapc2 (NM\_001013121) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Snapc2 (NM_001013121) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snapc2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RR203230 representing NM_001013121 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGAAGCCACCGCAGAGACGGCGGAAGGTCCCCGCACGGTACACAGGTGAAGCTACCGGCCACAGCTT  
GGAGCCCCCGGAGATGCGGCACCTACTGAGACTACTCCAGGCTCGGCCGGCCAGCCGGAGCCAGACGC  
CAAGGAGCTGGCCAAGGAGCTGCGAGGCCGGAGCGAGGCCGAGATCTGTCTGTTTATCCAGCAGCTCAA  
GGCCGGGTGGTTCGAGAGGCTATTCGGAAGGTGCAACCAGGTGGCAGAGATGGTCCAAGGCATCGAGAGA  
CACAGCTCCAGCCCCATAGAGGTATGGATGGATCTTGCTGAGAAATTAACAGGCCCACTGGAGGAAGC  
CCTGACTGCAGCTTTCTCCAGGTAATCACCATTGCTGCTGCGGAACCTCTCAGCCTCCTGCATTCCAAG  
CCAGGCAAGCCCAAAAGGCCTGTGGAAGGCACTGGTGTCTTGAGCACCCAAGATGCGCAGAAGGATC  
CTGCCCTGAAGGTTCTGGGCTGAACCTATGACTGCTGCTGACCCCACTCCTGAGGCTCTGTCCCTGA  
ACCTAAGGCTCCGGTACCAACCCTGAGACCTCTGGCCTTGCTCCAGAGGTCTCTGTCCCTGACCCTGAT  
GCACCAACTGAGTCCCTGGTGGATCCTCCACAGAGAGAGACTTTGCCGTGGACTTTGAGAAGATCTACA  
AATACCTGTCTCCTCCTCCAGAGGTGGCCATGGCCCTGAGCTCTCAGCAGTTGAGTCCGCCGTGGTCT  
TAACCTGCTCATGCTCACTTGACAGGAACTGCCCCACCTGCCTTGACAGCCCTGGTGGACCATCTGACT  
AAAACATATGCTCAACTGACGGCTCCCCAGGCCTCTCTGATAGAGAAAAGAGGCCAGGCCGGGACTG  
AAGATGGAGGGACTGACTCCACGGGGCCAGAAGAGACTGGCCAAGGCAGTCTCAAGCTTCTGAGCCAC  
AGAACCGAGGCTGACCTGAAAGCAGCTGGGGTCTGCCACTGAACCCATTCTGGTGCCCTGGACCTC  
CTGAGCCAGGCCCTCGCCCTGCCAGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR203230 representing NM\_001013121  
Red=Cloning site Green=Tags(s)

MKPPQRRRKVPARYTGEATGPTAWSPREMRHLLRLLQARRGQPEPDAKELAKELRGRSEAEICRFIQQLK  
 GRVYREAIRKVQPGGRDGP RHRETQLPAPIEVWMDLAEKLTGPLEEAL TAAFSQLTIAAAEPLSLLHSK  
 PGKPTKACGRALVFLSTQDAQKDPAPEGSGPEPMTAADPTPEASVPEPKASGTPETSGLVPEVSVDPDP  
 APTESLAGSSTERDFAVDFEKIYKYLSSSRGGHGPELSAVESAVVLLNLLMSLAEELPHLPCTALVDHLT  
 KTYAQLTAPQASLDREKRPRPGTEDGGTDSTGPEETGQGSPQASEPTEPRLTWKAAGVCPLNPFLVPLDL  
 LSQALAPAR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001013121

**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\\_001013121.1](#), [NP\\_001013139.1](#)

**RefSeq Size:** 1525 bp

**RefSeq ORF:** 1080 bp

**Locus ID:** 304204

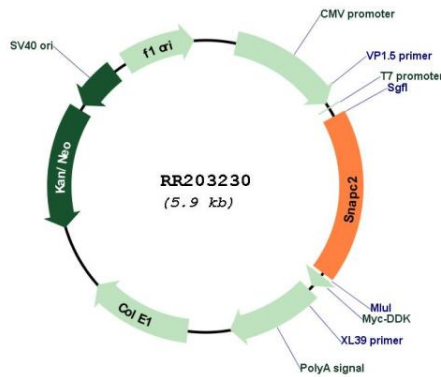
**UniProt ID:** [Q68FX5](#)

**Cytogenetics:** 12p12

**MW:** 38.6 kDa

**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 RR203230