

Product datasheet for MR205489

Snapc2 (NM_133968) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snapc2 (NM_133968) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snapc2
Synonyms:	0610007H10Rik; AU015675
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205489 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAAGCCACCGCAGAGACGGCGGAGGGTCCCAGCACGCTACGTAGGTGAAGCTACGGGCCCCACCGCTT
GGAGCCCCCGGAGATGCGGCATCTACTGAGACTACTTCAGGCTCGCGGGGCCAGCCGGAGCCAGACGC
CGCGGAGCTGGCCAGGAGCTGCGAGGCCGAGCGAGGCCGAGATCTGTCGCTTTATCCAGCAGCTCAAG
GGCCGGGTGGTTCGAGAGGCCATTAGAAGATGCAGCCAGGTGGCAGAGAGGGGCCAAGGCATCAAGGAA
CACCGCTCCCAGCCCCGTAGAGGTATGGATGGATCTTGCTGAGAACTAACAGGCCCAATGGAGGAAGC
CCTGACTGCAGCTTTCTCCCAGGTGCTCACCATTGCTGCTGCAGAACCCCTCAGCCTCCTGCACTCCAGG
CCAGGCAAGCCCAAAAGGCCCGTGAAAAGGCACTGGTGTCTTGAGCAACCAAGATGGGCAGAAGGATC
CTGCATCTGAAGGTTCTGGGCTGTCCCATGACTGCTGCTGACCCTACTCGTGAGGCTTCTGTCTCTGA
CCCTAAGGCTCTGGAGCCAACCCTGAGACCTCTGGCCTTGCCCTCAGAGGTCACTGTCCCTGACCCTGAT
GCCCCAACCAAGTCCCTGGCTGGATCCTCCACAGAGAGAGACCTTGCTGTGGACTTTGAGAAGATCTACA
AATACCTTTCTCTCCTCCAGAGGTGGCCATGGCCCTGAGCTCTCAGCAGCTGAGTCAGCTGTGGTCTC
TAACCTGCTCATGGCACTTCCAGAGAACTGTCCACCTGCCTTGACCGCCCTGCTGGAACATATGACC
AAAACATATGCTCAACTGATGGCTCCCCAGACCGCTCTCCCTGGAGAGAAGAGGCCAGGCCTGGGACTG
AAGATGGAGGGACTGGCTCCACAGGGCCAGAGGAGCCTGACCAAGCTAGTCTCAAGCTTCTGAGCCAT
AGAGCCGAGGCTGGCCTGAAAAGCAGTTGGGATCTGCCACTGAACCCGTTCTGGTACCCTGGGCCTC
GTGAGCCAGGCCCCAGCCCTTCGAGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR205489 protein sequence
Red=Cloning site Green=Tags(s)

MKPPQRRRRVPARYVGEATGPTAWSPREMRHLLRLLQARRGQPEPDAAELAQELRGRSEAEICRFIQQLK
 GRVYREAIQKMQPGGREGPRHQGTPLPAPVEVWMDLAEKLTGPMEEALTAASFQVLTIAAAEPLSLLHSR
 PGKPTKARGKALVFLSNQDGQKDPASEGSGVPMTAADPTREASVSDPKASGANPETSGLASEVTVPDPD
 APTKSLAGSSTERDLAVDFEKIYKYLFSRGGHGPELSAAESAVVLNLLMALPEELSHLPCTALLEHMT
 KTYAQLMAPQALPGEKRPRPGTEDGGTGSTGPEEPDQASPQASEPIEPRLAWKAVGICPLNPFVPLGL
 VSQAPSPSR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_133968

ORF Size: 1080 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

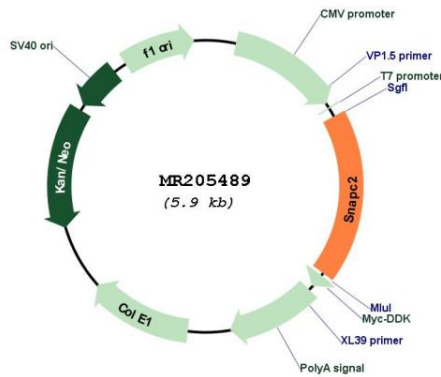
UniProt ID: [Q91XA5](#)

Cytogenetics: 8 A1.1

MW: 38.4 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 MR205489