

## Product datasheet for MC224247

### Snapc4 (NM\_172339) Mouse Untagged Clone

#### Product data:

|                      |   |
|----------------------|---|
| Product Type:        | Expression Plasmids   |
| Product Name:        | Snapc4 (NM_172339) Mouse Untagged Clone   |
| Tag:                 | Tag Free  |
| Symbol:              | Snapc4  |
| Synonyms:            | 5730436L13Rik   |
| Vector:              | pCMV6-Entry (PS100001)  |
| E. coli Selection:   | Kanamycin (25 ug/mL)  |
| Cell Selection:      | Neomycin  |
| Fully Sequenced ORF: | >MC224247 representing NM_172339<br>Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGACATAGACGCCGAACGAGAGAAAATAACACAGGAGATCCAGGAGCTTGAAGGATTTGTATCCTG  
GATCCACCAGCGTCCACTTTGAAGTCTCTGAATCCAGTCTCAGTTCAGACTCTGAAGCAGATTCGCTGCC  
TGATGAGGACTTGAAACTGCTGGTGCCCATCTTGAAGAGGAAGGGTCGAGTGAGAGCAGCAATGAT  
GAGGAGGACCCCAAGGACAAAGCTCTCCCTGAAGACCCCGAGACTGTCTGCAGCTAAATATGGTCTACC  
AGGAGGTGATCCGGGAAAAGCTAGCAGAGGTTAGCCAGTTGCTAGCCCAGAACCAGGAGCAGCAGGAAGA  
GATCCTGTTTGTCTGTCTGGAACCAAATGCCCAAGGTGAAGGATGGCAGAAGTCTGCCTCATAACATG  
TACATAGGCCACTTCTGAAGCCATACTTCAAGGACAAGGTTACTGGAGTGGGGCCTCCTGCCAACGAAG  
AAACACGGGAGAAGGCTACCCAGGGAATCAAGGCCTTTGAACAGCTCTTGGTGACCAAGTGAAGCACTG  
GGAGAAAGCCTTGCTCAGGAAGTCTGTAGTGAGTGACCGCCTACAACGCTCTGCTCAGCCCAAATGCTG  
AAGCTGGAGTACTTACACGAAAAACAGAGCCGAGTCTCCAGTGAGTTGAAAGGCAGGCCCTGGAGAAGC  
AGATTAAGGAAGCAGAGAAGGATTCAGGACATCAACCAGCTCCAGAGGAAGCATTGTTGGGGAACCG  
GCTAGACAGCCACGACTGGGAGAAGATTTCCAATATTAACCTTTGAAGGAGCCCGCAGTGACAGGAGATC  
CGGAAGTTCTGGCAGAGTTCTGAGCATCCAAGCATCAGTAAGCAGGAATGGAGCACAGAAGAAGTAGAGA  
GGCTGAAGGCCATCGCTGCCACACATGGCCACCTGGAGTGGCACTTGGTTGCAGAGGAACTTGGGACAAG  
CCGCAAGTGCCTTTCAAGTGCCTGCAGAAATCCAGCAGTACAACAAAACCTGAAACGCAAGGAGTGGACA  
GAAGAGGAAGACCACATGCTCACCCAGCTGGTCCAAGAGATGCGAGTTGGGAACCATATCCCATACCGCA  
AGATCGTCTACTTCATGGAAGGGAGAGACTCCATGCAGCTGATCTACCGTTGGACCAAGAGCTTAGATCC  
CAGCCTGAAAAGGGGATTCTGGGCCCCAGAGGAAGATGCTAAATTGCTTCAAGCTGTTGCCAAGTATGGG  
GCGCAGGACTGGTTTAAATCCGGGAAGAGGTGCCAGGTAGGAGCGATGCCAATGCAGAGACCGCTACA  
TCAGAAGATTACATTTAGCTTGAAAAAGGGACGGTGAATGCAAAGAAGAACAACAGCTGATCCAGCT  
AATAGAGAAATATGGTGTGGTCACTGGCAAGAATCGTTCTGAATTGCCCCATCGGTCAAGGCTCCAG  
TGCTGAGCAAGTGAAGATCTTGGCCAGGAAGAACAACAGCATCTGCAGAGGAAGAGAGGGCAGAGGCC



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GTCACAGTAGCCAGTGGAGCTCTAGCGGCAGCAGCAGCAGCAGTGAAGACTACGGCAGCAGCAGTGG  
 CAGCGACGGCAGCAGCGGCAGTAAAACTCAGATGTGGAGCTGGAGGCGTCTCTGGAGAAGAGTAGAGCA  
 CTGACTCCTCAACAGTACAGAGTGCCAGACATTGACCTGTGGGTTCTACCAGGCTGATCACCAGCCAGT  
 CACAGAGAGAAGGGACAGGGTGTACCCACAACACCCTGCTGTCTCTGCTGCACTCAGGATGCCTCTCA  
 AAATCACCACAAGGAAGTCTACCACCGTCTCTGCTGCTGAGAAAAACCAGTGCAGGTGCCCTATGAG  
 ACCCACAGCACTGTTCCAAGAGGAGACCGGTTCTACACTTCTCGGACACCCACTCAGCAAGTTTGAAGG  
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 AGGGTCTGACCCTGGCAACAATACGGCTGGGCCCATCTGCGGCAGCTATGGCATGGAACCTACCAGAAT  
 AAGCAGAGACGCAAGAGACAGGCTCTACATCGCAGGCTCCTTAAGCACAGGCTTTTGTGGCTGTGATAC  
 CCTGGGTGGTGACATCAACCTGGCCTGCACACAAGCTCCCCGGAGACCTGCAACCGTTTACAGTAAAGC  
 TGACAGCATCCGGATGCAGTTAGAGTGTGCCCGCTGGCCAGCACTCCGGTATTCACACTGCTTATTTCAG  
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 CTGCCTCCAAGCATGACGGGGAAACAACTGCAAAGAGAGCCAGCCACAAGGGCGCCACGACTGGGG  
 TCATGCAGGACTGAGGCTACCCCTTCCAAGTCCCTGTAGCAGCCCCACGTGGCCTCCGGCCAAAGCCTA  
 AGACTGTTTCTGAGTGTCTCGGGAGAAGCGGCTCCGTGAGTCCCATGCCAAGAAGGCCACTCAGGCTCT  
 TGGTCTCAACAGCCAGCTGCTGGTCTCCTCACCTGTGATCCTCCAGCCCCCTCTGCTGCCAGTCCCCAT  
 GGTTCCCCAGTAGTAGGCCCTGCAACGTCCAGTGTAGAACTCTCTGTACCTGTGGCGCCGGTGATGGTCA  
 GTTCAAGTCTTCTGGCTCCTGGCCGGTGGGTGGGATCTCAGCCACAGACAAGCAGCCCCCAACCTACA  
 GACCATTTCCCTAAATCTCCCCACAAGGGACCCAGGTTGCAGCCCCCTGCTGCTTTTAGGAGCCTAGCC  
 TTAGCCCCGGGAAGTCCCCACAGGCGGCCATCTGAGTACTCTAGGACAGACCTTACCACATCCCAGA  
 AGCAGAGCCTGCCAAGTCTGCCATTCTTCGAGCTGCTCCAGCCTCACTCAGTGTCTGTGCAGCC  
 ACCAGTAAGTGGACAGCCCTGGCAACCAAGTCCAGCCTGCCTGTCAACTGGTTCTACAACCTCAGAAG  
 TTGCTCTGTCCAAGTGCCAGCTGTGGTGGCCCTCCCCAGTCAAGTATGACCCTGAGACCATAGGAC  
 TACAAGCAAAACAGCTGCCTTCCCCTGCCAAGACTCCTGCTTTTCTGGAACAGCCTCCAGCCAGTACAGA  
 CACAGAACCAAGGGACCTCAGGGCCAGGAAATACCACCCACACCTGGGCCCGAAAAGGCAGCTTTGGAC  
 CTAAGTCTCCTTTCCAGGAAAGTGAGGCAGCCATCGTCACATGGCTGAAGGGGTGCCAAGGTGCTTTTG  
 TACCCCGCTGGGGAGCAGGATGCCCTATCATCCCCCTCCCTGTGCAGCTTGCGGGCATTGTCCAGCCT  
 CCTCTCCAGAAACAGGACTTGGAGCAGAAGGCTTCTCTGCGGCCAGCCAGGCAGCTGGGGCCAA  
 CCTGATCCAAGGCTGGAGCCCTACAAGCTTCCCTGGAGCTGGTACAGAGGCAATCCGGGACAACCCAG  
 CCTACCTCCTGCTAAGACGCGTTTCTGGCTATCTTCTCCCTCCTGCATTCTGGCCACTCTGCCCC  
 CAACAGCATCCCACCACCTGTACCAGAGCTGGCTGTGGTTTCTGAGAGTGACAGTGAAGACCTCGGT  
 GACTTGGAGCTCAAGGATAGGGCTAGACAGTTGGACTGCATGGCTGCAGAGTGAAGCAAGCCAGCAG  
 CCCAGACCCTGTACAGAGAGCTCCAAGTCTGGTGGGTTTCTGCTCCCTCCCTCTGGATGCTTCTGA  
 TGGCCTTGATGACCTAACGTGCTCAGGACTCGACGTGCTCGGCATTCCCGGAGATAG

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM\_172339
- Insert Size:** 3978 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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\\_172339.4](#), [NP\\_758842.1](#)

**RefSeq Size:** 4381 bp

**RefSeq ORF:** 3978 bp

**Locus ID:** 227644

**UniProt ID:** [Q8BP86](#)

**Cytogenetics:** 2 A3

**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]  
Transcript Variant: This variant (1) represents the shorter transcript but encodes the longer isoform (a).