

Product datasheet for MC229499

Snapc4 (NM_001290419) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Snapc4
Synonyms:	5730436L13Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC229499 representing NM_001290419 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGTCTACCAGGAGGTGATCCGGGAAAAGCTAGCAGAGGTTAGCCAGTTGCTAGCCAGAACAGGAGC
AGCAGGAAGAGATCCTGTTTGTCTGTCTGGAACCAATGCCCAAGGTGAAGGATGGCAGAACTCTGCC
CTCATACATGTACATAGGCCACTTCTGAAGCCATACTTCAAGGACAAGGTTACTGGAGTGGGGCCTCTCT
GCCAACGAAGAAACACGGGAGAAGGCTACCCAGGGAATCAAGGCCCTTTGAACAGCTCTTGGTGACCAAGT
GGAAGCACTGGGAGAAAGCCTTGCTCAGGAAGTCTGTAGTGAGTGACCGCCTACAACGCTCTGCTTCAGCC
CAAATTGCTGAAGCTGGAGTACTTACACGAAAAACAGAGCCGAGTCTCCAGTGAGTTGGAAGGCAGGCC
CTGGAGAAGCAGATTAAGGAAGCAGAGAAGGAGATTCAGGACATCAACCAGCTCCCAGAGGAAGCATTGT
TGGGGAACCGGCTAGACAGCCACGACTGGGAGAAGATTCCAATATTAACCTTTGAAGGAGCCCGCAGTGC
AGAGGAGATCCGGAAGTTCTGGCAGAGTTCTGAGCATCCAAGCATCAGTAAGCAGGAATGGAGCACAGAA
GAAGTAGAGAGGCTGAAGGCCATCGTGCCACACATGGCCACCTGGAGTGGCACTTGGTTGCAGAGGAAC
TTGGGACAAGCCGAGTGCCTTTCACTGCTGCAGAAATCCAGCAGTACAACAAAACCTGAAACGCAA
GGAGTGGACAGAAGAGGAAGACCACATGCTCACCAGCTGGTCCAAGAGATGCGAGTTGGGAACCATATC
CCATACCGCAAGATCGTCTACTTCAATGGAAGGGAGAGACTCCATGCAGCTGATCTACCGTTGGACCAAGA
GCTTAGATCCAGCCTGAAAAGGGGATTCTGGGCCCCAGAGGAAGATGCTAAATTGCTTCAAGCTGTTGC
CAAGTATGGGGCGCAGGACTGGTTTAAAAATCCGGGAAGAGGTGCCAGGTAGGAGCGATGCCCAATGCAGA
GACCGTACATCAGAAGATTACATTTCACTTGAAGGAGGACGGTGAATGCAAAAGAAGAACACAGC
TGATCCAGCTAATAGAGAAATATGGTGTTGGTCACTGGGCAAGAAATCGCTTCTGAATTGCCCATCGGTC
AGGCTCCAGTGTCTGAGCAAGTGAAGATCTTGCCAGGAAGAAACAGCATCTGCAGAGGAAGAGAGGG
CAGAGGCCCGTCAAGTAGCCAGTGGAGCTCTAGCGGCAGCAGCAGCAGCAGTGAAGACTACGGCA
GCAGCAGTGGCAGCGACGGCAGCAGCGGCAAGTCAAGTGTGGAGCTGGAGGCGTCTCTGGAGAA
GAGTAGAGCACTGACTCTCAACAGTACAGAGTGCCAGACATTGACCTGTGGGTTCTTACCAGGCTGATC
ACCAGCCAGTCACAGAGAGAAGGGACAGGGTGCTACCCACAACACCCTGCTGTCTCTGCTGCACTCAGG



ATGCCTCTCAAAATCACCACAAGGAAGTTCTACCACCGTCTCTGCTGCTGAGAAAAACAGCTGCAGGT
GCCCTATGAGACCCACAGCACTGTTCCAAGAGGAGACCGTTCTACACTTCTCGGACACCCACTCAGCA
AGTTTGAAGGATCCGGCTGCAAGAGTACACACTGATGAAGGAAAGACCGAAGCAGCCACTCCTCCCTA
GTTACGCTCAGGGTCTGACCTGGCAACAATACGGCTGGGCCCATCTCGGCAGCTATGGCATGGAAC
TTACAGAATAAGCAGAGACGCAAGAGACAGGCTCTACATCGCAGGCTCCTTAAGCAGAGGCTTTTGCTG
GCTGTGATACCTGGTGGTGACATCAACCTGGCTGCACACAAGCTCCCGGAGACCTGCAACCGTTC
AGACTAAAGCTGACAGCATCCGGATGAGTTAGAGTGTCCCGCTGGCCAGCACTCCGGTATTCACT
GCTTATTCAGCTATTGCAGATTGATCTGCGGGCTGCATGGAGGTGGTTCGAGAGAGGAAAAGCCAGCCC
CCTGCACTGCTCCAGCTGGCACCCGGAACACCCAGCCGCTCTCTGCAAGGCTCCTCTAATGCCAAGA
ACAACACAGGCTGCCTCCCAAGCATGACGGGGGAACAACTGCAAGAGAGCCAGCCACAAGGGCGCCC
ACGACTGGGGTCATGCAGGACTGAGGCTACCCCTTCCAAGTCCCTGTAGCAGCCCCACGTGGCTCCGG
CCAAAGCCTAAGACTGTTTCTGAGTGTCTCGGGAGAAGCGGCTCCGTGAGTCCCATGCCAAGAAGGCCA
CTCAGGCTCTTGCTCAACAGCCAGCTGCTGGTCTCCTCACCTGTGATCCTCAGCCCCCTCTGCTGCC
AGTCCCCATGGTCCCAAGTAGTAGGCCCTGCAACGTCCAGTGTAGAACTCTGTACCTGTGGCGCCG
GTGATGGTCAGTTCAAGTCTTCTGGCTCTGGCCGGTGGGTGGGATCTCAGCCACAGACAAGCAGCCCC
CCAACCTACAGACATTTCCCTAAATCCTCCCAAAAGGGACCCAGGTTGCAGCCCCCTGCTGCTTTAG
GAGCCTAGCCTTAGCCCCGGGCAAGTCCCAACAGGCGGCCATCTGAGTACTCTAGGACAGACCTTACC
ACATCCCAAGCAGAGCCTGCCAAGGTCTGCCATTCTTCGAGCTGCTCCAGCCTCACTCAGCTGT
CTGTGCAGCCACCAAGTAAAGTGACAGCCCTGGCAACCAAGTCCAGCCTGCCTGTCAACTGGGTTCTCAC
AACTCAGAAGTTGCTCTCTGTCCAAGTGCCAGCTGTGGTGGGCTCCCAAGTCAAGTATGCCCTGAG
ACCATAGGACTACAAGCAAAACAGCTGCCTTCCCTGCCAAGACTCCTGCTTTTCTGGAACAGCCTCCAG
CCAGTACAGACACAGAACCAGGGACCTCAGGGCCAGGAAATACCAACACACCTGGGCCGAAAAGGC
AGCTTTGGACCTAAGTCTCTTCCAGGAAAGTGAGGCAGCCATCGTCATGGCTGAAGGGGTGCCAA
GGTGTCTTTGTACCCCGCTGGGGAGCAGGATGCCCTATCATCCCCCTTCCCTGTGAGCTTGCGGGCAT
TGTCCAGCCTCCTCCTCCAGAAACAGGACTTGGAGCAGAAGGCTTCTCTCTGGCGGCCAGCCAGGCAGC
TGGGGCCCAACCTGATCCCAAGGCTGGAGCCCTACAAGCTTCCCTGGAGCTGGTACAGAGGCAATCCGG
GACAACCCAGCCTACCTCCTGCTAAAGACGCGTTTCTGGCTATCTTCTCCCTCCTGCATTCTTGCCA
CTCTGCCCCCAACAGCATCCCCACCACTGTCAACAGAGCTGGCTGTGGTTTCTGAGAGTGACAGTGA
AGACCTCGGTGACTTGGAGCTCAAGGATAGGGCTAGACAGTTGGACTGCATGGCCTGCAGAGTGCAAGCA
AGCCCAGCAGCCCAGACCTGTACAGAGAGCTCCAAGTCTGGTGAGGTTTCTGCTCCCTCCCCTCTGG
ATGCTTCTGATGGCCTTGATGACCTTAACGTGCTCAGGACTCGACGTGCTCGGCATTCCCGGAGATAG

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-RsrII

ACCN:

NM_001290419

Insert Size:

3708 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).

OTI Annotation:

Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001290419.1 , NP_001277348.1
RefSeq Size:	4507 bp
RefSeq ORF:	3708 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 (2) includes an additional exon in the 5' region, and it thus differs in its 5' UTR and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (b) is shorter at the N-terminus, compared to isoform a.