

Product datasheet for **MR231234**

Snap91 (NM_001277983) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snap91 (NM_001277983) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snap91
Synonyms:	91kDa; AP180; F1-20; mKIAA0656
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>MR231234 representing NM_001277983
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGGCCAAACGCTCACGGATCGGATCGCCGCCGCTCAGTACAGCGTACTGGCTCTGCTGTAGCAA
 GAGCAGTCTGCAAAGCCACCACTCATGAGGTGATGGGCCCAAGAAGAAGCACCTGGACTATTTGATCCA
 GGCTACCAATGAGACCAATGTCAATATCCCTCAGATGGCCGACACCCTCTTTGAGCGGGCACAACAGT
 AGCTGGGTGGTGGTATTTAAAGCTTTAGTGACCACACACCATCTCATGGTGCATGGAAATGAGAGATTTA
 TTCAGTATTTGGCCTCTAGGAATACGCTATTCAATCTCAGCAACTTTCTAGATAAAAAGTGGATCCCACGG
 TTATGATATGTCTACGTTACACGGCTTACAGTAGATACTTGAATGAAAAGGCTTTCTCCTACAGACAG
 ATGGCATTGACTTTGCCAGAGTGAAGAAAGGGGCTGACGGTGCATGAGGACGATGGTTCTGAAAAGC
 TCCTGAAGAGTATGCCAATCCTGCAGGGCAGATCGATGCACTGCTGGAGTTTGTATGTCATCCAAATGA
 ACTAACCAATGGTGCATAAATGCTGCATTTATGCTTCTTTCAAAGATCTTATCAAAGTGGTTCCTTGC
 TACAATGACGGCGTCATTAACCTACTTGAAAAATTTTCGAGATGAAGAAAGGTCAATGCAAAGACGCGC
 TAGAAATTTACAAGCGATTTCTAACTAGAAATGACGAGGGTGTCTGAATTCCTCAAGGTCGCCGAGCAAGT
 TGGTATTGATAAAGGTGACATTTCCCGACCTCACACAGGCTCCCAGCAGTCTTATGGAGACCCTTGAACAA
 CATCTAAATACCTTAGAAGGAAAGAAACCTGGAACAAATCTGGTGCCTCCTCCTCAACTAAGTAAGTCTT
 CTCCAGCCACAAGTGTACATCTCCTAATTCTACACCAGCTAAAACATCGACACATCCCGCCAGTTGA
 CATATTTGCAACAGCATCCGCGGCTGCCAGTCAGCTCTGCTAAGCCATCAAGCGATCTCCTTGATCTT
 CAGCCCGACTTCTCTGGAGCAGTGCAGGGGACAGCACCTGTAGTGCCTCCTTCTGGGGTGCAGCCG
 CTTGGGGAGATTCCTGGCTGCATTTCTCTGTTCCCTGTGAAGCACCGATTTCAGACCAATTTGCACC
 AGAGCCTTCCCTCCTACTACAACCACTGAGCCTGCTTACGCTCTGCCTCGACCACCACAGCTGTGACG
 GCTGTCACTACGGAAGTGGATCTCTTTGGAGATGCCTTTGCAGCTTCTCCTGGGGAGGCCCTGCAGCAT
 CCGAAGGGGCTACCGCACAGCTACCCCGCCAGTGGCTGCAGCTCTTATGATGATGCTCAGGAAATGA
 CCCTTTTGCCCATCTGAAGGTAGCGCAGAGGCTGCACCTGAGCTGGACCTCTTTGCAATGAAGCCACCT
 GAGACCAGCGCTCCTGTAGTTACCCCTACAGCTAGCACAGCCCTCCAGTTCCCGCAACTGCTCCTTCTC
 CTGCTCCCACGGCTGTGGCAGCCACTGCTGCCACCACCACCGCCCGCTGCAGTACCACCAGTCCAC
 CACCTCTGCTGCTGCTGCCACCACCGCCGCTGCTCCTCCTGCTCTAGATATCTTTGGTGATTTGTTTGT
 TCTGCTCTGAAGTTGCTGCAGCACCTAAGCCAGACGCGCTCCTAGCATAGACCTGTTTGGCACAGATG
 CTTTCTCCTCCCGCCACGAGGGGCTCTCCGGTGCCTGAGAGTTCTCTCACTGCTGACCTTTATCTGT
 GGACGATTTGCAGCGCCGTCTCCTGCATCCACTGCCTCTCCTGCAAAGGCGGAGTCTCGGGTGTGATA
 GACCTTTTGGGGGATTTGGGGTCTTTTCATGGCCCTTCTACAACGCCAGTACTCCAGCTCAGAATA
 ACCTGTGCAACCCAGTTTCGAGGCAGCTTTTGGAACGACGCCTTCGACTTCAAGCAGCAGCTCTTTTGA
 CCCATCAGTGTGATGGTTTAGGCGATCTTCTGATGCCAACCATGGCACCATCCGGGCAGCCTGCCCT
 GTCTCAATGGTCCCACCCAGTCTGCAATGGCAGCCAGCAAAGGCTCGGAAGTACCTTGACTCGTCTC
 TGGCCAGTTTGTAGGCAATCTTGGGATTTCTGGTACCACATCAAAAAGGGAGATCTCCAGTGGAAATGC
 TGGGGAGAAAAAGCTGACTGGTGGAGCCAACTGGCAACCGAAAGTCACTCCAGCCACATGGTCAGCGGT
 GTTCCCCGCTCCTTCAGGGACAGGCATGACCATGATGTCTCAGCAGCCAGTCATGTTTGCACAGCCCA
 TGATGAGGCCACCCTTTGGAGCTGCAGCTGTGCCCGGCACACAGCTTTTCCAAGCCCTACACCTGCCAC
 TCAGAGTCCCAAGAACTCCAGCCAAGGACCGTTAGCGGATCTTAACATCAAGGATTTCTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR231234 representing NM_001277983
Red=Cloning site Green=Tags(s)

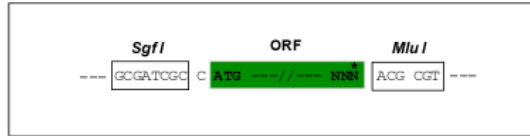
MSGQTLTDRIAAQYSVTGSAVARAVCKATTHEVMGPKKKHLDYLIQATNETNVNIPQMADTLFERATNS
SWVVVFKALVTTHHLMVHGNERFIQYLASRNTLFNLSNFLDKSGSHGYDMSTFIRRYSRYLNEKAFSYRQ
MAFDFARVKKGADGVMRTMVPEKLLKSMPILOGQIDALLEFDVHPNELTNGVINAAFMLLFKDLIKLFAC
YNDGVINLLEKFFEMKKGQCKDALEIYKRFLTRMTRVSEFLKVAEQVGIDKGDIPDLTQAPSSLMETLEQ
HLNTLEGKKPGNKSGAPSPLSKSSPATTVTSPNSTPAKTIDTSPPVDFIFATASAAAPVSSAKPSSDLLDL
QPDFSGAAAGAAAPVPPSGGATAWGDSLAAALSSVPCEAPISDPFAPEPSPPTTTTEPASASASTTTAVT
AVTTEVDLFGDAFAASPGEAAPASEGATAPATPAPVAAAALDACSGNDPFAPSEGSAAEAPELDIFAMKPP
ETSAPVVTPTASTAPPVPATAPSPAPTAVAATAATTTAAAAATTTATTSAAAATTAAPPALDIFGDLFD
SAPEVAAAAPKPDAAPSIDLFGTDAFSSPPRGASVPPESSLTADLLSVDFAAPSPASTASPAKAESSGVI
DLFGGFGGSFMAPSTTPVTPAQNNLLQPSFEAAFGTTPSTSSSSSFDPVDFGLGDLMPMAPSGQPAP
VSMVPPSPAMAASKGLGSDLSSLASLVGNLGISGTTSKKGLQWNAGEKKLTGGANWQPKVTPATWSAG
VPPPPSGTGMTMMSQQPVMFAQPMRPPFGAAAVPGTQLSPSPTPATQSPKKPPAKDPLADLNKDFL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

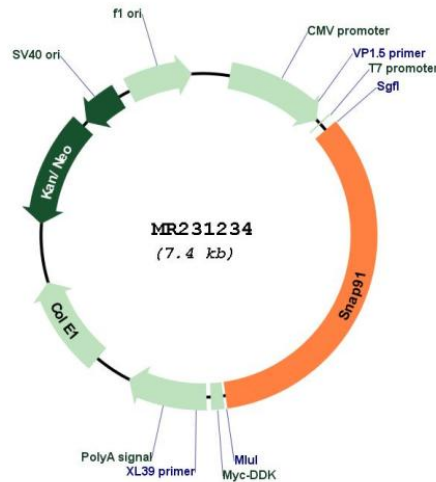
Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:


ACCN: NM_001277983

ORF Size: 2514 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_001277983.1](#), [NP_001264912.1](#)

RefSeq Size: 4179 bp

RefSeq ORF: 2517 bp

Locus ID: 20616

Cytogenetics: 9 E3.1

MW: 86.5 kDa

Gene Summary: Adaptins are components of the adaptor complexes which link clathrin to receptors in coated vesicles. Clathrin-associated protein complexes are believed to interact with the cytoplasmic tails of membrane proteins, leading to their selection and concentration. Binding of AP180 to clathrin triskelia induces their assembly into 60-70 nm coats.[UniProtKB/Swiss-Prot Function]