

Product datasheet for **MR209560**

Snap91 (BC052454) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snap91 (BC052454) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snap91
Synonyms:	AP180, F1-20, 91kDa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209560 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACCCCTTGAACAACATCTAAATACCTAGAAGGAAAGAAACCTGGAACAATGAAGGATCTGGTG
 CTCCTCTCCACTAAGTAAGTCTTCTCCAGCCACAACCTGTACATCTCCTAATTCTACACCAGCTAAAAC
 TATCGACACATCCCCGCCAGTTGACATATTTGCAACAGCATCCGCGGCTGCCCCAGTCAGCTCTGCTAAG
 CCATCAAGCGATCTCCTTGATCTTCAGCCCGACTTCTCTGGAGCAGCTGCGGGGGCAGCAGCACCTGTAG
 TGCCTCCTTCTGGGGTGCAGCCGCTGGGAGACCTTTTGGGAGAGGATTCTTGGCTGCACTTTCCTC
 TGTTCCCTGTGAAGCACCATTTCAGACCCATTTGCACCAGACCTTCCCCTCTACTACAACCACTGAG
 CCTGCTTCAGCCTCTGCCTCGACCACACAGCTGTGACGGCTGCTACTACGGAAGTGATCTCTTTGGAG
 ATGCCTTTCAGCTTCTCCTGGGAGGCCCTGCAGCATCCGAAGGGCTACCGCACCAGCTACCCCGGC
 CCCAGTGGCTGCAGCTCTTGATGCATGCTCAGGAAATGACCTTTTGCCCATCTGAAGGTAGCGCAGAG
 GCTGCACCTGAGCTGGACCTTTTGAATGAAGCCACCTGAGACCAGCGCTCCTGTAGTTACCCCTACAG
 CTAGCACAGCCCCCTCAGTTCGCCCAACTGCTCCTTCTCCTGCTCCCACGGCTGTGGCAGCCACTGCTGC
 CACCACCACCGCCGCTGCAGCTACCACCACTGCCACCACCTGCTGCTGCTGCCACCACCGCCGCT
 GCTCCTCTGCTTAGATATCTTTGGTGATTTGTTTGATTCTGCTCCTGAAGTTGCTGCAGCACCTAAGC
 CAGACGCGGCTCCTAGCATAGACCTGTTTGGCACAGATGCTTCTCCTCCCCGCCAGAGGGGCTCTCC
 GGTGCCTGAGAGTTCTCTCACTGCTGACCTTTATCTGTGGACGATTTGCAGCGCGCTCCTGCATCC
 ACTGCCTCTCTGCAAAGCGGAGTCTCGGGTGCATAGACCTTTTGGGGATGCGTTTGAAGTGGTG
 CTTCTGAAACCCAGCCAGCACACAGGCTGTTTCTAGTTTATCAGCATCGGCAGATCTACTAGCTGGATT
 TGGGGTCTTTTTCATGGCCCTTCTACAACGCCAGTACTCCAGCTCAGAATAACCTGCTGCAACCCAGT
 TTCGAGGCAGCTTTTGAACGACGCTTCGACTTCAAGCAGCAGCTCTTTTGACCCATCAGTGTGTTGATG
 GTTTAGGCGATCTCTGATGCCAACCATGGCACCATCCGGGCAGCCTGCCCTGTCTCAATGGTCCCACC
 CAGTCTGCAATGGCAGCCAGCAAAGGCCCTCGGAAGTACCTGACTCGTCTCTGGCCAGTTTAGTAGGC
 AATCTTGGGATTTCTGGTACCACATCAAAAAGGGAGATCTCCAGTGAATGCTGGGGAGAAAAAGCTGA
 CTGGTGGAGCCAACTGGCAACCGAAAGTCACTCCAGCCACATGGTCAGCGGTGTCCCCCGCAAGGCAC
 TGTTCCACCAACCAGCTCAGTCCCTCCGGGTGCCGGGCCCCGTCGTTGGGCAACTGGAGCAGGATTT
 GGATGCCTCCTTCAGGGACAGGCATGACCATGATGTCTCAGCAGCCAGTCATGTTTGCACAGCCCATGA
 TGAGGCCACCCTTGGAGCTGCAGCTGTGCCCGGCACACAGCTTCTCCAAGCCCTACACCTGCCACTCA
 GAGTCCCAAGAAACCTCCAGCCAAGGACCCGTTAGCGGATCTTAACATCAAGGATTTCTTG

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 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

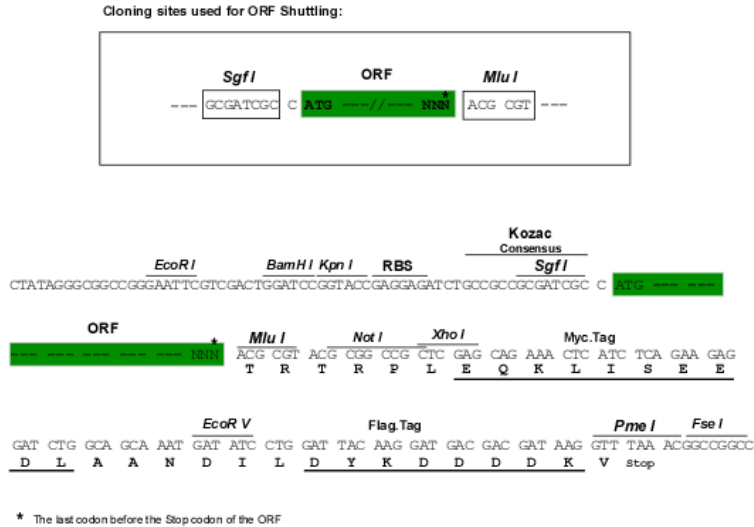
>MR209560 protein sequence
 Red=Cloning site Green=Tags(s)

METLEQHLNLTLEGKPGNNEGSGAPSPLSKSSPATTVTSPNSTPAKTIIDTSPVDFIFATASAAAPVSSAK
 PSSDLLDLQPDFSGAAAGAAAPVPPSGGATAWGDLLGEDSLAALSSVPCAPIIDPFAPEPSPPTTTTE
 PASASASTTTAVTAVTTEVDLFGDAFAASPGEAAPASEGATAPATPAPVAAALDACSGNDPFAPESESAE
 AAPELDLFAKPPETSAPVVPTASTAPPVPATAPSPAPTAVAATAATTTAAAAATTTATTSAAAATTA
 APPALDIFGDLFDSAPEVAAAPKPDAAPSIDLFGTDAFSSPPRGASPVPESSLADLLSVDFAAAPPAS
 TASPAAESSGVIDLFGDAFGSGASETQPAPQAVSSSSASADLLAGFGGFMAPSTTPVTPAQNNLLQPS
 FEAAFGTTPSTSSSSFDPSVFDGLGDLMPMAPSGQPAPVSMVPPSPAMAASKGLGSDLSSLASLVG
 NLGISGTTSKKGDQWNAEKLLTGANWQPKVTPATWSAGVPPQGTVPPTSSVPPGAGAPSVGQPAGAGF
 GMPPSGTGMTMSQQPVMFAQPMRPPFGAAAVPGTQLSPSPPTPATQSPKPPAKDPLADLNLIKDFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC052454

ORF Size: 1881 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: [BC052454](#), [AAH52454](#)

RefSeq Size: 4519 bp

RefSeq ORF: 1883 bp

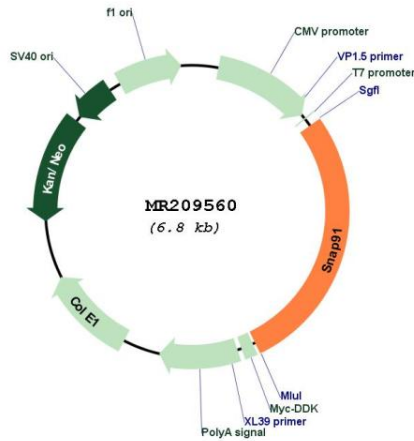
Locus ID: 20616

Cytogenetics: 9 E3.1

MW: 60.8 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]

Product images:



Circular map for MR209560