

Product datasheet for **MR211010**

Snap91 (BC031773) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snap91 (BC031773) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snap91
Synonyms:	AP180, F1-20, 91kDa
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>MR211010 representing BC031773
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCGGGCCAAACGCTCACGGATCGGATCGCCGCCGCTCAGTACAGCGTACTGGCTCTGCTGTAGCAA
GAGCAGTCTGCAAAGCCACCACTCATGAGGTGATGGGCCCAAGAAGAAGCACCTGGACTATTTGATCCA
GGTACCAATGAGACCAATGTCAATATCCCTCAGATGGCCGACACCCTCTTTGAGCGGGCACAACAGT
AGCTGGGTGGTGGTATTTAAAGCTTTAGTGACCACACACCATCTCATGGTGCATGGAAATGAGAGATTTA
TTCAGTATTTGGCCTCTAGGAATACGCTATTCAATCTCAGCAACTTTCTAGATAAAAAGTGGATCCCACGG
TTATGATATGTCTACGTTACACGGCGTTACAGTAGATACTTGAATGAAAAGGCTTTCTCCTACAGACAG
ATGGCATTGACTTTGCCAGAGTGAAGAAAGGGGCTGACGGTGCATGAGGACGATGGTTCTGAAAAGC
TCCTGAAGAGTATGCCAATCCTGCAGGGGCAGATCGATGCACTGCTGGAGTTTGTATGTCATCCAAATGA
ACTAACCAATGGTGCATAAATGCTGCATTTATGCTTCTTTTCAAAGATCTTATCAAAGTGGTTGCTTGC
TACAATGACGGCGTCATTAACCTACTTGAAAAATTTTTCGAGATGAAGAAAGGTCAATGCAAAGACGCGC
TAGAAATTTACAAGCGATTTCTAACTAGAATGACGAGGGTGTCTGAATTCCTCAAGGTCGCCGAGCAAGT
TGGTATTGATAAAGGTGACATTTCCCGACCTCACACAGGCTCCCAGCAGTCTTATGGAGACCTTGAACAA
CATCTAAATACCTTAGAAGGAAAGAAACCTGGAACAATGAAGGATCTGGTGTCCCTCTCCACTAAGTA
AGTCTTCTCCAGCCACAACCTGTTACATCTCTAATTCTACACCAGCTAAAACATCGACACATCCCCGCC
AGTTGACATATTTGCAACAGCATCCGCGGCTGCCCCAGTCAGCTCTGCTAAGCCATCAAGCGATCTCCT
GATCTTCAGCCCGACTTCTCTGGAGCAGCTGCGGGGCGAGCAGCACCTGTAGTGCCTCCTCTGGGGGTG
CGACCGCTGGGAGACCTTTTGGGAGAGGATTCCTTGGTGCATTTCCCTGTTCCTGTGAAGCACC
GATTTTCAGACCCATTTGCACCAGAGCCTTCCCCTCCTACTACAACCACTGAGCCTGCTTCAGCCTCGCC
TCGACCACACAGCTGTGACGGCTGTACTACGGAAGTGGATCTCTTTGGAGATGCCTTTCAGCTTCTC
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TGATGCATGCTCAGGAAATGACCCTTTTGCCTCATCTGAAGGTAGCGCAGAGGCTGCACCTGAGCTGGAC
CTCTTTGCAATGAAGCCACCTGAGACCAGCGCTCTGTAGTTACCCTACAGCTAGCACAGCCCTCCAG
TTCCCGCAACTGCTCCTTCTCCTGCTCCCAGGCTGTGGCAGCCACTGCTGCCACCACCACCGCCCGC
TGCAGCTACCACCCTGCCACCCTCTGCTGCTGCTGCCACCACCACCGCCGCTGCTCCTCCTGCTCTAGAT
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GCGGAGTCTCGGGTGCATAGACCTTTTTGGGGATGCGTTTGGAAAGTGGTGTCTCTGAAACCCAGCCAG
CACCACAGGCTGTTTCTAGTTTATCAGCATCGGCAGATCTACTAGCTGGATTTGGGGGTTCTTTCATGGC
CCCTTCTACAACGCCAGTGACTCCAGCTCAGAATAACCTGCTGCAACCCAGTTTCGAGGCAGTTTTGGA
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CAGCCACATGGTCAGCGGGTGTCCCCCGCTCCTTACAGGGACAGGCATGACCATGATGTCTCAGCAGCC
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CCAAGCCCTACACCTGCCACTCAGAGTCCCAAGAACTCCAGCCAAGGACCCGTTAGCGGATCTTAACA
TCAAGGATTTCTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211010 representing BC031773
 Red=Cloning site Green=Tags(s)

MSGQTLTDRIAAQYSVTGSAVARAVCKATTHEVMGPKKKHLDYLIQATNETNVNIPQMADTLFERATNS
 SWVVVFKALVTTTHLMVHGNERFIQYLASRNTLFNLSNFLDKSGSHGYDMSTFIRRYSRYLNEKAFSYRQ
 MAFDFARVKKGADGVMRTMVPEKLLKSMPILQGQIDALLEFDVHPNELNGVINAAMFLFKDLIKLFAC
 YNDGVINLLEKFFEMKKGQCKDALEIYKRFLTRMTRVSEFLKVAEQVGIKGDIPDLTQAPSSLMETLEQ
 HLNTLEGGKPGNNEGSGAPSLSKSSPATTVTSPNSTPAKTIDTSPPVDIFATASAAAPVSSAKPSSDLL
 DLQPDFSGAAAGAAAPVPPSSGGATAWGDLLGEDSLAALSSVPCEAPISDPFAPEPSPPTTTTEPASASA
 STTTAVTAVTTEVDLFGDAFAASPGEAPAASEGATAPATPAPVAAAALDACSGNDPFAPSEGSAAEAPELD
 LFAMKPPETSAPVVTPTASTAPPVPATAPSPAPTAATAATTTAAAAATTTATTSAAAATTAAPPALD
 IFGDLFDSAPEVAAAAPKDAAPSIDLFGTDAFSSPPRGASVPPESSLTADLLSVDFAAPSPASTASPAK
 AESSGVIDLFGDAFGSGASETQPAPQAVSSSSASADLLAGFGGSFMAPSTTPVTPAQNNLLQPSFEAAF
 TTPSTSSSSSFDPSGDLLMPTMAPSQPAPVSMVPPSPAMAASKGLGSDLSSLASLVGNLGISGTTSKK
 GDLQWNAGEKKLTGGANWQPKVTPATWSAGVPPPPSGTGMTMMSQQPVMFAQPMRPPFGAAAVPGTQLS
 PSPTPATQSPKPPAKDPLADLNIKDFL

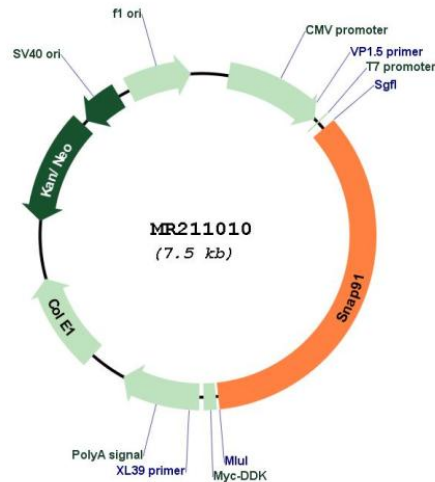
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: BC031773

ORF Size: 2604 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: [BC031773.1](#)

RefSeq Size: 3333 bp

RefSeq ORF: 2606 bp

Locus ID: 20616

Cytogenetics: 9 E3.1

MW: 122.2 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]