

Product datasheet for **MG209560**

Snap91 (BC052454) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snap91 (BC052454) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Snap91
Synonyms:	AP180, F1-20, 91kDa
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209560 representing BC052454
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGACCCCTTGAACAACATCTAAATACCTAGAAGGAAAGAAACCTGGAACAATGAAGGATCTGGTG
 CTCCTCTCCACTAAGTAAGTCTTCTCCAGCCACAACCTGTACATCTCCTAATTCTACACAGCTAAAAC
 TATCGACACATCCCCGCCAGTTGACATATTTGCAACAGCATCCGCGGCTGCCCCAGTCAGCTCTGCTAAG
 CCATCAAGCGATCTCCTTGATCTTCAGCCCGACTTCTCTGGAGCAGCTGCGGGGGCAGCAGCACCTGTAG
 TGCCTCCTTCTGGGGTGCAGCCGCTGGGAGACCTTTTGGGAGAGGATTCTTGGCTGCACTTTCCTC
 TGTTCCCTGTGAAGCACCATTTCAGACCCATTTGCACCAGAGCCTTCCCCTCTACTACAACCACTGAG
 CCTGCTTCAGCCTCTGCCTCGACCACCACAGCTGTGACGGCTGCTACTACGGAAGTGATCTCTTTGGAG
 ATGCCTTTCAGCTTCTCCTGGGAGGCCCTGCAGCATCCGAAGGGGCTACCGCACCAGCTACCCCGGC
 CCCAGTGGCTGCAGCTCTTGATGCATGCTCAGGAAATGACCTTTTGGCCATCTGAAGGTAGCGCAGAG
 GCTGCACCTGAGCTGGACCTTTTGAATGAAGCCACCTGAGACCAGCGCTCCTGTAGTTACCCCTACAG
 CTAGCACAGCCCCTCCAGTTCGCCAAGTCTCCTTCTCCTGCTCCCACGGCTGTGGCAGCCACTGCTGC
 CACCACCACCGCCGCTGCAGCTACCACCACTGCCACCACCTGCTGCTGCTGCCACCACCGCCGCT
 GCTCCTCTGCTTAGATATCTTTGGTATTGTTTGGATTCTGCTCCTGAAGTTGCTGCAGCACCTAAGC
 CAGACGCGGCTCCTAGCATAGACCTGTTTGGCAGATGCTTCTCCTCCCCGCCAGGGGGCCTCTCC
 GGTGCCTGAGAGTTCTCTCACTGCTGACCTTTATCTGTGGACGATTTGCAGCGCGCTCCTGCATCC
 ACTGCCTCCTGCAAAGCGGGAGTCTCGGGTGCATAGACCTTTTGGGGATGCGTTTGAAGTGGTG
 CTCTGAAACCCAGCCAGCACACAGGCTGTTTCTAGTTTATCAGCATCGGCAGATCTACTAGCTGGATT
 TGGGGTCTTTTTCATGGCCCTTCTACAACGCCAGTACTCCAGCTCAGAATAACCTGTCGAACCCAGT
 TTCGAGGCAGCTTTTGAACGACGCTTCGACTTCAAGCAGCAGCTCTTTTACCATCAGTGTGTTGATG
 GTTTAGGCGATCTCTGATGCCAACATGGCACCATCCGGGCAGCCTGCCCTGTCTCAATGGTCCCACC
 CAGTCTGCAATGGCAGCCAGCAAAGGCCCTCGGAAGTACCTGACTCGTCTCTGGCCAGTTTGTAGGC
 AATCTTGGGATTTCTGGTACCACATCAAAAAGGGAGATCTCCAGTGAATGCTGGGGAGAAAAAGCTGA
 CTGGTGGAGCCAACTGGCAACCGAAAGTCACTCCAGCCACATGGTCAGCGGGTGTCCCCGCCAAGGCAC
 TGTTCCACCAACCAGCTCAGTCCCTCCGGGTGCCGGGGCCCGTCCGTTGGGCAACTGGAGCAGGATTT
 GGATGCCTCCTCAGGGACAGGCATGACCATGATGTCTCAGCAGCCAGTCATGTTTGCACAGCCCATGA
 TGAGGCCACCCTTGGAGCTGCAGCTGTCCCGGCACACAGCTTTCTCCAAGCCCTACACCTGCCACTCA
 GAGTCCAAGAAACCTCCAGCCAAGGACCCGTTAGCGGATCTTAACATCAAGGATTTCTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209560 representing BC052454
 Red=Cloning site Green=Tags(s)

METLEQHLNLTLEGKPGNNEGSGAPSPLSKSSPATTVTSPNSTPAKTIIDTSPVDFIFATASAAAAPVSSAK
 PSSDLLDLQPDFSGAAAGAAAPVPPSGGATAWGDLLGEDSLAALSSVPCAPIIDPFAPEPSPPTTTTE
 PASASASTTTAVTAVTTEVDLFGDAFAASPGEPAAASEGATAPATPAPVAAALDACSGNDPFAPEGSAE
 AAPELDLIFAMKPPETSAPVVPTASTAPPVPATAPSPAPTAVAATAATTTAAAAATTTATTSAAAATTA
 APPALDIFGDLFDSAPEVAAAPKPDAAPSIDLFGTDAFSSPPRGASVPPESSLADLLSVDFAAAPSAS
 TASPAAKAESSGVIDLFGDAFGSGASETQPAPQAVSSSSASADLLAGFGGFSMAPSTTPVTPAQNNLLQPS
 FEAAGFTTSTSSSSFDPSVFDLGDLLMPTMAPSQPAPVSMVPPSPAMAASKGLGSDLDSSLASLVG
 NLGISGTTSKKGDQWNAEKKL TGGANWQPKVTPATWSAGVPPQGTVPPTSSVPPGAGAPSVGQPAGF
 GMPPSGTGMTMSQQPVMFAPMMRPPFGAAAVPGTQLSPSPATQSPKPPAKDPLADLNLIKDFL

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

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:	<ol style="list-style-type: none">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
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]