

## Product datasheet for **MC228376**

### Snap91 (NM\_001277985) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Snap91 (NM_001277985) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Snap91
Synonyms:	91kDa; AP180; F1-20; mKIAA0656
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC228376 representing NM\_001277985  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCGGGCCAAACGCTCACGGATCGGATCGCCGCCGCTCAGTACAGCGTACTGGCTCTGCTGTAGCAA  
GAGCAGTCTGCAAAGCCACCACTCATGAGGTGATGGGCCCAAGAAGAAGCACCTGGACTATTTGATCCA  
GGTACCAATGAGACCAATGTCAATATCCCTCAGATGGCCGACACCCTCTTTGAGCGGGCACAACAGT  
AGCTGGTGTTGTTAAAGCTTTAGTACCACACACCATCTCATGGTGCATGGAAATGAGAGATTTA  
TTCAGTATTTGGCCTCTAGGAATACGCTATTCAATCTCAGCAACTTTCTAGATAAAAAGTGGATCCCACGG  
TTATGATATGTCTACGTTACACGGCATTACAGTAGATACTTGAATGAAAAGGCTTCTCCTACAGACAG  
ATGGCATTGACTTTGCCAGAGTGAAGAAAGGGGCTGACGGTGTGCATGAGGACGATGGTTCTGAAAAGC  
TCCTGAAGAGTATGCCAATCCTGCAGGGCAGATCGATGCACTGCTGGAGTTTGATGTGCATCCAAATGA  
ACTAACCAATGGTGCATAAATGCTGCATTATGCTTCTTTTCAAAGATCTTATCAAAGTGGTGGCTTGC  
TACAATGACGGCGTCATTAACCTACTTGAATAATTTTCGAGATGAAGAAAGGTCAATGCAAAGACGCGC  
TAGAAATTTACAAGCGATTTCTAACTAGAATGACGAGGGTGTCTGAATCCTCAAGGTCGCCGAGCAAGT  
TGGTATTGATAAAGGTGACATTTCCGACCTCACACAGGCTCCCAGCAGTCTTATGGAGACCTTGAACAA  
CATCTAAATACCTAGAAGGAAAGAAACCTGGAACAAAATCTGGTGCTCCCTCTCCACTAAGTAAGTCTT  
CTCCAGCCACAAGTTCATCTCCTAATTCTACACCAGCTAAAATATCGACACATCCCCGCCAGTTGA  
CATATTTGCAACAGCATCCGCGGCTGCCCCAGTCAGCTCTGCTAAGCCATCAAGCGATCTCCTTGATCTT  
CAGCCCGACTTCTCTGGAGCAGCTGCGGGGACAGCACCTGTAGTGCCTCTTCTGGGGTGCGACCG  
CTGGGGAGGATTTGGGGTCTTTTCATGGCCCTTCTACAACGCCAGTACTCCAGCTCAGAATAACCT  
GCTGCAACCCAGTTTCGAGGCAGCTTTTGGAACGACGCCTTCGACTTCAAGCAGCAGCTCTTTGACCCA  
TCAGTGTTTGATGGTTTAGGCGATCTTCTGATGCCAACCATGGCACCATCCGGGACGCTGCCCTGTCT  
CAATGGTCCCACCAGTCTGCAATGGCAGCCAGCAAAGGCTCGGAAGTGACCTTGACTCGTCTCTGGC  
CAGTTTAGTAGGCAATCTTGGGATTTCTGGTACCACATCAAAAAAGGGAGATCTCCAGTGGAAATGCTGGG  
GAGAAAAAGCTGACTGGTGGAGCCAAGTGGCAACCGAAAGTCACTCCAGCCACATGGTCAGCGGGTGTTC  
CCCCGCAAGGCACTGTTCCACCAACCAGCTCAGTCCCTCCGGGTGCCGGGCCCCGTCCGTTGGGCAACC  
TGGAGCAGGATTTGGAATGCCTCCTTCAAGGACAGGCATGACCATGATGTCTCAGCAGCCAGTCATGTT  
GCACAGCCATGATGAGGCCACCCTTTGGAGCTGCAGCTGTGCCGGCACACAGTGAATTTTTG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001277985

**Insert Size:** 1749 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.

**RefSeq:** [NM\\_001277985.1](#), [NP\\_001264914.1](#)

**RefSeq Size:** 3386 bp

**RefSeq ORF:** 1749 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]  
Transcript Variant: This variant (5) lacks multiple exons in the coding region, compared to variant 1. The resulting isoform (5) lacks two internal segments and has a shorter and distinct C-terminus, compared to isoform 1.