

## Product datasheet for **RC234876**

### AP180 (SNAP91) (NM\_001256718) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AP180 (SNAP91) (NM_001256718) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	AP180
Synonyms:	AP180; CALM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC234876 representing NM\_001256718  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCACCTTCATAAGGCGCTATAGTAGATATTTGAATGAAAAGGCTTTTTCTTACAGACAGATGGCCT  
 TTGATTTTGCAGGGTGAAGAAAAGGGCCGATGGTGAATGAGGACAATGGCTCCCGAAAAGCTGCATAA  
 GAGTATGCCAATACTACAGGGACAAATTGATGCACTGCTTGAATTTGATGTGCATCCAAATGAACTAACA  
 AATGGTGTCAATAATGCAGCATTATGCTTCTTTTCAAAGATCTTATCAAATTTTTGCTTGCTACAATG  
 ATGGTGTATTAACCTACTCGAAAAGTTTTTGAATGAAGAAAGGACAATGTAAGATGCTCTAGAAAT  
 TTACAAACGATTTCTAACTAGAATGACACGAGTGTCTGAATTTCTCAAGTTGCAGAGCAAGTTGGTATT  
 GATAAAGGTGACATTCCTGACCTCACACAGGCTCCAGCAGTCTTATGGAGACGCTTGAACAGCATCTAA  
 ATACATTAGAAGGAAAGAAACCTGGAAACAATGAAGGATCTGGTCTCCCTCTCCATTAAGTAAGTCTTC  
 TCCAGCCACAACGTTTACGTCTCCTAATTCTACACCAGCTAAAATATTGACACATCCCCACCGTTGAT  
 TTATTTGCAACTGCATCTGCGGCTGTCCAGTCAGCACTTCTAAACCATCTAGTGATCTCCTGGACCTCC  
 AGCCAGACTTTTTCTCTGGAGGGGCGAGCAGCAGCCGAGCACCAGCACCACCACCACCTGCTGGAGGAGC  
 CACTGCATGGGGAGACCTTTTGGGAGAGGATTCTTTGGCTGCACTTTCTCTGTTCCCTCTGAAGCACAG  
 ATTTGAGATCCATTTGCACCAGAACCTACCCCTCTACTACAACCTGCTGAAATGGCAACTGCCTCAGCTT  
 CTGCTCCACTACTACAACCTGTTACTGTGCTGCTGCTGAAGTGGATCTCTTTGGAGATGCCTTTGCAGC  
 TTCTCTGGGGAGGCCCTGCAGCATCCGAAGGGGCCCGCACCAGCTACCCCAACCCCTGTAGCAGCA  
 GCACCTTGATGCATGTTGAGGAAATGACCCTTTGCCCGTCTGAAGGTAGTGCAGAGGCTGCACCTGAGC  
 TGGACCTTTTGCAATGAAGCCACCTGAGACCAGTGTCTCTGTAGTTACCCCTACAGTAGCACACGCCCC  
 TCCAGTTCCCGCAACTGCTCCTTCTCTGCTCCTGCCGTTGCAGCTGCTGCTGCTGCCACTACTGCTGCC  
 ACCGCCGCTGCCACCACCTACCACCCTCCGCTGCCACCGCCACCCTGCTCCTCTGCTCTAGATA  
 TCTTTGGTGATTTATTTGAGTCCACTCCTGAAGTTGCTGCAGCGCCTAAGCCAGATGCTGCTCCTAGCAT  
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 ACTGCTGACCTCTTATCTGTGGATGCATTTGCAGCACCCTCCTGCAACCACTGCCTCGCCAGCAAAGG  
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 ATCTCAGGCTGCTTCTAGTTCATCAGCATCGGCAGACCTACTAGCTGGATTTGGGGTTCTTTCATGGCG  
 CCTTCCCCTCACTCCAGTACTCCAGCTCAGAATAACCTGCTACAGCCCAATTTTGGAGCAGCTTTTGGGA  
 CAACGCCTTCACTTCCAGCAGCAGCTCCTTTGATCCATCAGGTGATCTTTTGGTCCCAACCATGGCACC  
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 AGTGATCTTGATTCATCTTTGCCAGCTTAGTAGGCAATCTTGGAAATTTCTGGTACCACAACAAAAAGG  
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 CCTCCTGTTGCCGGGGCCCCATCGGTTGGACAACCTGGAGCAGGATTTGGAAATGCCTCCTGCTGGGACAG  
 GCATGCCCATGATGCCTCAGCAGCCGGTATGTTGCACAGCCCATGATGAGGCCCCCTTTGGAGCTGC  
 CGCTGTACCTGGCAGCAGCTTTCTCAAGCCCTACACCTGCCAGTCAGAGTCCCAAGAAACCTCCAGCA  
 AAGGACCCATTAGCGGATCTTAACATCAAGGATTTCTTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC234876 representing NM\_001256718  
 Red=Cloning site Green=Tags(s)

```
MSTFIRRYRYLNEKAFSYRQMAFDFAFVKKGADGVMRTMAPEKLLKSMPI LQGQIDALLEFDVHPNELT
NGVINAAFMFLFKDLIKLFACYNDGVINLLEKFFEMKKGQCKDALEIYKRFLTRMTRVSEFLKVAEQVGI
DKGDI PDLTQAPSSLMETLEQHLNLTLEGKKPGNNEGSGAPSLSKSSPATTVTSPNSTPAKTIDTSPPV
LFATASAAVPVSTSKPSSDLLDLQPDFSSGGAAAAAAPAPPPAGGATAWGDLLGEDSLAALSSVPSEAQ
ISDPFAPEPTPTTTAEIATASASASTTTTAVTAEVDFGDAFAASPGEAAPAASEGAAAPATPTPVAA
ALDACSGNDPFAPSEGSAEAAPELDFAMKPPETSVPVVPTASTAPPVPATAPSPAPAVAAAAAATTAA
TAAATTTTTTSAATATTAPPALDIFGDLFESTPEVAAAPKPAAPSIDLFDSTDAFSSPPQGASVPPESSL
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PSPSPVTPAQNNLLQPNFEAAFGTTPSTSSSSFDPSGDLLMPTMAPAGQPAPVSMVPPSPAMAASKALG
SDL DSSLASLVGNLGISGTTTTKKGDLQWNAGEKKLTGGANWQPKVAPATWSAGVPPSAPLQGAVPPTSSV
PPVAGAPSVGQPGAGFGMPPAGTGMPMPQQPVMFAQPMRPPFGAAAVPGTQLSPSPTPASQSPKKPPA
KDPLADLNIKDFL
```

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



**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\\_001256718.1](#), [NP\\_001243647.1](#)

**RefSeq Size:** 4157 bp

**RefSeq ORF:** 2352 bp

**Locus ID:** 9892

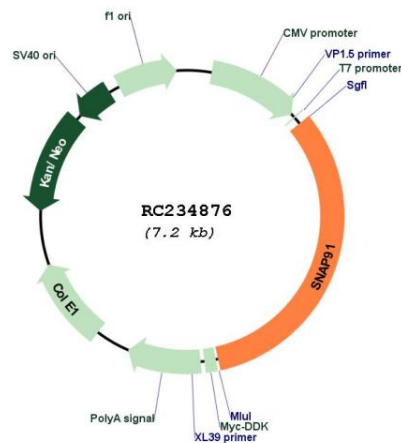
**UniProt ID:** [O60641](#)

**Cytogenetics:** 6q14.2

**MW:** 79.2 kDa

**Gene Summary:** Adaptins are components of the adapter 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 (By similarity).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RC234876