

Product datasheet for **RG234876**

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:	TurboGFP
Symbol:	AP180
Synonyms:	AP180; CALM
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG234876 representing NM_001256718
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTACCTTCATAAGCGCTATAGTAGATATTTGAATGAAAAGCTTTTTCTTACAGACAGATGGCCT
 TTGATTTTCCAGGGTGAAGAAAAGGGCCGATGGTGAATGAGGACAATGGCTCCCGAAAAGCTGCTAAA
 GAGTATGCCAATACTACAGGGACAAATTGATGACTGCTTGAATTTGATGTGCATCCAAATGAACTAACA
 AATGGTGTATAAATGCAGCATTATGCTTCTTTCAAAGATCTTATCAAATTTTTGCTTGCTACAATG
 ATGGTGTATTAACCTACTCGAAAAGTTTTTGAATGAAGAAAGGACAATGTAAGATGCTCTAGAAAT
 TTACAAACGATTTCTAACTAGAATGACACGAGTGTCTGAATTTCTCAAGTTGCAGAGCAAGTTGGTATT
 GATAAAGGTGACATTCCTGACCTCACACAGGCTCCAGCAGTCTTATGGAGACGCTTGAACAGCATCTAA
 ATACATTAGAAGGAAAGAAACCTGGAAACAATGAAGGATCTGGTCTCCCTCTCCATTAAGTAAGTCTTC
 TCCAGCCACAACGTTTACGTCTCCTAATTCTACACCAGCTAAAATATTGACACATCCCCACCGTTGAT
 TTATTTGCAACTGCATCTGCGGCTGTCCAGTCAAGCATTCTAAACCATCTAGTATCTCCTGGACCTCC
 AGCCAGACTTTTCTCTGGAGGGGAGCAGCAGCCGAGCACCAGCACCACCACCACCTGCTGGAGGAGC
 CACTGCATGGGGAGACCTTTTGGGAGAGGATTCTTTGGCTGCACTTTCTCTGTTCCCTCTGAAGCACAG
 ATTTGAGATCCATTTGCACCAGAACCTACCCCTCTACTACAAGTGTGAAATGCAACTGCCTCAGCTT
 CTGCTCCACTACTACAAGTGTACTGCTGCTGCTGCTGAAGTGGATCTCTTTGGAGATGCCTTTGCAGC
 TTCTCTGGGGAGGCCCTGCAGCATCCGAAGGGGCCCGCACCAGTACCCCAACCCCTGTAGCAGCA
 GCACCTGATGCATGTTGAGGAAATGACCCCTTTGCCCGTCTGAAGGTAGTGCAGAGGCTGCACCTGAGC
 TGGACTCTTTGCAATGAAGCCACCTGAGACCAGTGTCTCTGTAGTTACCCCTACAGCTAGCACAGCCCC
 TCCAGTTCCCGCAACTGCTCCTTCTCTGCTCCTGCGCTTGCAGTGTCTGCTGCTGCTGCTGCTGCTGCC
 ACCGCCGCTGCCACCACCCTACCACCCTCCGCTGCCACCGCCACCCTGCTCCTCTGCTCTAGATA
 TCTTTGGTGATTTATTTGAGTCCACTCCTGAAGTTGCTGCAGCGCCTAAGCCAGATGCTGCTCCTAGCAT
 AGACCTGTTTAGTACAGATGCTTTCTCCTCTCCACCACAAGGGGCTCTCCTGTGCTGAGAGTTCTCTC
 ACTGCTGACCTCTTATCTGTGGATGCATTTGCAGCACCCTCCTGCAACCCTGCTCGCCAGCAAAGG
 TGGATTCTTCAGGTGTCATAGACCTTTTGGGGATGCATTTGGAAGTAGTCTTCTGAACCCCAACCTGC
 ATCTCAGGCTGCTCTAGTTCATCAGCATCGGCAGACCTACTAGCTGGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234876 representing NM_001256718
 Red=Cloning site Green=Tags(s)

MSTFIRRYRYLNEKAFSYRQMAFDFAFVKKGADGVMRTMAPEKLLKSMPIILQGQIDALLEFDVHPNELT
 NGVINAAMFLLFKDLIKLFCYNDGVINLLEKFFEMKKGQCKDALEIYKRFLTRMTRVSEFLKVAEQVGI
 DKGDIPDLTQAPSSLMETLEQHLNLTLEGKKPGNNEGSGAPSLSKSSPATTVTSPNSTPAKTIDTSPVPD
 LFATASAAPVSTSKPSSDLLDLPDFSSGAAAAAAPPPPPAGGATAWGDLLGEDSLAALSSVPSAQ
 ISDPFAPEPTPTTTAEIATASASASTTTVTAVTAEVDFGDAFAASPGEAPAAESEGAAPATPTPVAA
 ALDACSGNDPFAPEGSAAPELDFAMKPPETSVPVVTPTASTAPPVPATAPSPAPAVAAAAAATTA
 TAAATTTTTTSAATATTAPPALDIFGDLFESTPEVAAAPKPAAPSIDLFSTDAFSSPPQASVPPESSL
 TADLLSVDAFAAPSPATTASPAKVDSSGVIDLFGDAFGSSASEPQPASQAASSSSASADLLAG

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001256718

ORF Size: 2349 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: [NM_001256718.1](#), [NP_001243647.1](#)

RefSeq Size: 4157 bp

RefSeq ORF: 2352 bp

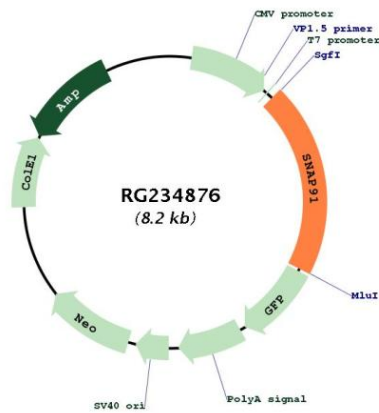
Locus ID: 9892

UniProt ID: [O60641](#)

Cytogenetics: 6q14.2

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 RG234876