

Product datasheet for **RG234526**

AP180 (SNAP91) (NM_001242794) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP180 (SNAP91) (NM_001242794) 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)



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ORF Nucleotide Sequence:

>RG234526 representing NM_001242794
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGGGCCAAACGCTCACGGATCGGATCGCCGCGCTCAGTACAGCGTTACAGGCTCTGCTGTAGCAA
 GAGCGGTCTGCAAAGCCACTACTCATGAAGTAATGGGCCCAAGAAAAGCACCTGGACTATTTGATCCA
 GGCTACCAACGAGACCAATGTTAATATTCTCAGATGGCCGACACTCTCTTTGAGCGGGCAACAAACAGT
 AGCTGGGTGGTTGTGTTAAGGCTTTAGTGACAACACATCATCTCATGGTGCATGGAAATGAGAGATTTA
 TTCAATATTTGGCTTCTAGAAATACACTATTCAATCTCAGCAATTTTTGGACAAAAGTGGATCCCATGG
 TTATGATATGTCTACCTCATAAGGCGCTATAGTAGATATTTGAATGAAAAGGCTTTTTCTACAGACAG
 ATGGCCTTTGATTTGCCAGGTGAAGAAAGGGCCGATGGTGAATGAGGACAATGGCTCCCGAAAAGC
 TGCTAAAGAGTATGCCAATACTACAGGGACAAATTGATGCACTGCTTGAATTTGATGTCATCCAAATGA
 ACTAACAAATGGTGCATAAATGCAGCATTATGCTTCTTTCAAAGATCTTATCAAACCTTTTTGCTTGC
 TACAATGATGGTGTATTAACCTACTCGAAAAGTTTTTGAATGAAGAAAGGACAATGTAAGATGCTC
 TAGAAATTTACAACGATTTCTAACTAGAATGACACGAGTGTCTGAATTTCTCAAGGTTGCAGAGGCTCC
 CAGCAGTCTTATGGAGACGCTTGAACAGCATCTAAATACATTAGAAGGAAAGAACTGGAAACAAATCT
 GGTGCTCCCTCTCCATTAAGTAAGTCTTCTCCAGCCACAACCTGTTACGCTCCTAATTCTACACCAGCTA
 AAATAATTGACACATCCCACCGGTTGATTTATTTGCAACTGCATCTGCGGCTGTCCAGTCAGCACTTC
 TAAACCATCTAGTGATCTCCTGGACCTCCAGCCAGACTTTTCTCTGGAGGGGCAGCAGCAGCCGACGA
 CCAGCACCACCACCCTGCTGGAGGAGCCACTGCATGGGGAGGATTTGGGGTCTTTTCATGGCCTT
 CCCCATCTCCAGTGACTCCAGCTCAGAATAACCTGCTACAGCCCAATTTTGGAGCAAC
 GCCTTCAAACCTCCAGCAGCAGCTCCTTTGATCCATCAGTGTGATGGTCTAGGTGATCTTTTGATGCCA
 ACCATGGCACCAGCTGGCAGCCTGCACCTGTCTCAATGGTACCACCCAGTCTGCAATGGCAGCCAGCA
 AAGCCCTTGAAGTGATCTTGATTCATCTCTTGCCAGCTTAGTAGGCAATCTTGAATTTCTGGTACCAC
 AACAAAAAGGGAGATCTTCAGTGAATGCTGGAGAGAAAAAGTTGACTGGTGGAGCCAACCTGGCAGCCT
 AAAGTAGTCCAGCAACCTGGTCCAGCGGTTCCACCAAGTGCACCTTTGCAAGGAGCTGTACCTCCAA
 CCAGTTCAAGTTCCTCTGTTGCCGGGCCCCATCGGTTGGACAACCTGGAGCAGGATTTGGAATGCCTCC
 TGCTGGGACAGGCATGCCATGATGCCTCAGCAGCCGGTATGTTTGCACAGCCATGATGAGGCCCCCC
 TTTGGAGCTGCCGCTGTACCTGGCAGCAGCTTTCTCCAAGCCCTACACCTGCCAGTCAGAGTCCCAAGA
 AACCTCCAGCAAAGACCATTAGCGGATCTTAACATCAAGGATTTCTTG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG234526 representing NM_001242794
 Red=Cloning site Green=Tags(s)

MSGQTLTDRIAAQYSVTGSAVARAVCKATTHEVMGPKKKHLDYLIQATNETNVNIPQMADTLFERATNS
 SWVVVFKALVTHHLMVHGNERFIQYLASRNTLNFNSNFLDKSGSHGYDMSTFIRRYRYLNEKAFSYRQ
 MAFDFARVKKGADGVMRTMAPEKLLKSMPILOQQIDALLEFDVHPNELTNGVINAAMFLFKDLIKLFAC
 YNDGVINLLEKFFEMKKGQCKDALEIYKRFLTRMTRVSEFLKVAEAPSSLMETLEQHLNLTLEGKKPGNKS
 GAPSPLSKSSPATTVTSPNSTPAKTIDTSPVDL FATASAAVPVSTSKPSSDLLDLPDFSSGGAAAAAA
 PAPPPPAGGATAWGGFGGSFMAPSPSPVTPAQNNLLQPNFEAAFSTPSTSSSSSFDPSVFDGLDGLLMP
 TMAPAGQPAPVSMVPPSPAMAASKALGSDLSSLASLVGNLGISGTTTKKGDQLQWNAGEKLTGGANWQP
 KVAPATWSAGVPPSAPLQGAVPPTSSVPPVAGAPSVGQPGAGFMPPAGTGMPMPMQQPVMFAQPMRPP
 FGAAAVPGTQLSPSPTPASQSPKKPPAKDPLADLNIKDFL

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001242794

ORF Size: 1800 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_001242794.1](#), [NP_001229723.1](#)

RefSeq Size: 3340 bp

RefSeq ORF: 1803 bp

Locus ID: 9892

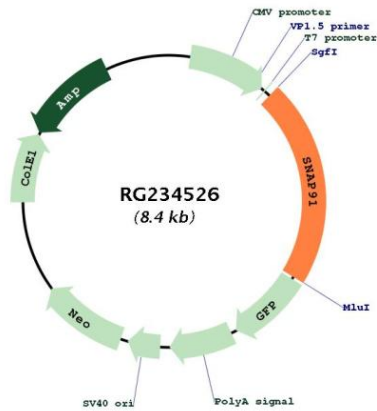
UniProt ID: [O60641](#)

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 RG234526