

## Product datasheet for **RG235020**

### AP180 (SNAP91) (NM\_001242792) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AP180 (SNAP91) (NM_001242792) 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:**

>RG235020 representing NM\_001242792  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGTCGGGCCAAACGCTCACGGATCGGATCGCCGCGCTCAGTACAGCGTTACAGGCTCTGCTGTAGCAA  
 GAGCGGTCTGCAAAGCCACTACTCATGAAGTAATGGGCCCAAGAAAAGCACCTGGACTATTTGATCCA  
 GGCTACCAACGAGACCAATGTTAATATTCCTCAGATGGCCGACACTCTCTTTGAGCGGGCAACAAACAGT  
 AGCTGGGTGGTTGTGTTAAGGCTTTAGTGACAACACATCATCTCATGGTGCATGGAAATGAGAGATTTA  
 TTCAATATTTGGCTTCTAGAAATACACTATTCAATCTCAGCAATTTTTGGACAAAAGTGGATCCCATGG  
 TTATGATATGTCTACCTTATAAGGCGCTATAGTAGATATTTGAATGAAAAGGCTTTTTCTTACAGACAG  
 ATGGCCTTTGATTTTCCAGGGTGAAGAAAGGGCCGATGGTGTAAATGAGGACAATGGCTCCCGAAAAGC  
 TGCTAAAGAGTATGCCAATACTACAGGGACAAATTGATGCACTGCTTGAATTTGATGTGCATCCAATGA  
 ACTAACAAATGGTGTCAAATGCAGCATTATGCTTCTTTCAAAGATCTTATCAAACCTTTTTGCTTGC  
 TACAATGATGGTGTATTAACCTACTCGAAAAGTTTTTGAATGAAGAAAGGACAATGTAAGATGCTC  
 TAGAAATTTACAACGATTTCTAACTAGAAATGACACGAGTGTCTGAATTTCTCAAGGTTGCAGAGCAAGT  
 TGGTATTGATAAAGGTGACATTCTGACCTCACACAGGCTCCCAGCAGTCTTATGGAGACGCTTGAACAG  
 CATCTAAATACATTAGAAGGAAAGAAACCTGGAACAATGAAGGATCTGGTGTCCCTCTCCATTAAGTA  
 AGTCTTCTCCAGCCAACTGTTACGCTCCTAATTCTACACCAGCTAAAACCTATTGACACATCCCACC  
 GGTTGATTTATTTGCAACTGCATCTCGGCTGTCCAGTCAGCACTTCTAAACCTCTAGTGATCTCCTG  
 GACCTCCAGCCAGACTTTTCTCTGGAGGGCAGCAGCCCGCAGCACCAGCACCACCACCAGCTGCTG  
 GAGGACCCTGCATGGGAGACCTTTTGGGAGAGGATTCTTTGGCTGCACCTTTCTCTGTTCCCTCTG  
 AGCACAGATTTTCAAGTCCATTTGCAACCAGAACCTACCCCTCTACTACAACCTGCTGAAATTTGCAACTGCC  
 TCAGTCTCTGCTCCACTACTACAACCTGTTACTGCTGCTGCTGAAAGTGGATCTCTTTGGAGATGCCT  
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 AGCAGCAGCACTTGATGCATGTTAGGAAATGACCCCTTTGCCCGTCTGAAGGTAGTGCAGAGGCTGCA  
 CCTGAGCTGGACCTTTTGAATGAAGCCACCTGAGACCAGTGTCTGTAGTTACCCCTACAGCTAGCA  
 CAGCCCTCCAGTCCCAGCACTGCTCCTTCTCTGCTGCTGCGGTTGCAGCTGCTGCTGCCACTAC  
 TGCTGCCACCGCGCTGCCACCACCACTACCACCCTCCGCTGCCACCGCCACCAGTCTCCTCCTGCT  
 CTAGATATCTTTGGTGATTTATTTGAGTCCACTCTGAAGTTGCTGCAGCGCCTAAGCCAGATGCTGCTC  
 CTAGCATAGACCTGTTTGTACAGATGCTTTCTCCTCTCCACCACAAGGGGCTCTCCTGTGCTGAGAG  
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 GCAAAGGTGGATTCTTCAAGGTGCATAGACCTTTTTGGGGATGCATTTGGAAGTAGTGCTTCTGAACCC  
 AACCTGCATCTCAGGCTGCTTCTAGTTCATCAGCATCGGCAGACCTACTAGTGGATTTGGGGTCTTT  
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 TTTTGTGCAACCATGGCACCAGCTGGCAGCCTGCACCTGTCTCAATGGTACCACCCAGTCTGCAAT  
 GGCAGCCAGCAAAGCCCTTGAAGTGATCTTGATTATCTCTTGGCAGCTTAGTAGGCAATCTTGGAAAT  
 TCTGGTACCACAACAAAAAGGGAGATCTTCAGTGGAAATGCTGGAGAGAAAAAGTTGACTGGTGGAGCCA  
 ACTGGCAGCCTAAAGTAGCTCCAGCAACCTGGTCAAGCAGCGTTCACCAAGTGCACCTTTGCAAGGAGC  
 TGTACCTCCAACCAAGTTCAGTTCCTCTGTTGCCGGGGCCCATCGGTTGGACAACCTGGAGCAGGATTT  
 GGAATGCCTCCTGCTGGGACAGGCATGCCATGATGCCTCAGCAGCCGGTATGTTTGCACAGCCCATGA  
 TGAGGCCCCCTTTGGAGCTGCCGCTGTACCTGGCAGCAGCTTTCTCCAAGCCCTACACCTGCCAGTCA  
 GAGTCCCAAGAACTCCAGCAAAGGACCCATTAGCGGATCTTAACATCAAGGATTTCTTG

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – **GTTTAA**

Protein Sequence: >RG235020 representing NM\_001242792  
 Red=Cloning site Green=Tags(s)

MSGQTLTDRIAAQYSVTGSAVARAVCKATTHEVMGPKKKHLDYLIQATNETNVNIPQMADTLFERATNS  
 SWVVVKALVTTTHLMVHGNERFIQYLASRNTLFNLSNFLDKSGSHGYDMSTFIRRYSRYLNEKAFSYRQ  
 MAFDFARVKKGADGVMRTMAPEKLLKSMPILOGQIDALLEFDVHPNELNGVINAAMLLFKDLIKLFAC  
 YNDGVINLLEKFFEMKKGQCKDALEIYKRFLTRMTRVSEFLKVAEQVGIKGDIPDLTQAPSSLMETLEQ  
 HLNLTLEGKPGNNEGSGAPSLSKSSPATTVTSPNSTPAKTIDTSPPVDFATASAAVPVSTSKPSSDLL  
 DLQPDFSSGGAAPAPPPPAGGATAWGDLLGEDSLAALSSVPSEAQISDPFAPEPTPTTTAEIATA  
 SASASTTTVTAVTAEVDFGDFAASPGEAAPAASEGAAAPATPTPVAAALDACSGNDPFAPESESAEAA  
 PELDLFAMKPPETSVPVVTPTASTAPPVPATAPSPAPAVAAAAAATTAATAAATTTTTTSAATATTAPPA  
 LDIFGDLFESTPEVAAPKPAAPSIDLFSTDAFSSPPQASVPPESSLTADLLSVDAFAAPSPATTASP  
 AKVDSSGVIDLFGDAFGSSASEPQPASQAASSSSASADLLAGFGGSFMAPSPSPVTPAQNNLLQPNFEAA  
 FGTTPTSSSSSFDPSVFDGLDGLLMPMAPAGQPAPVSMVPPSPAMAASKALGSDLSSLASLVGNLGI  
 SGTTTKGDQLQWNAGEKLLTGGANWQPKVAPATWSAGVPPSAPLQGAVPPTSSVPPVAGAPSVGQPGAGF  
 GMPPAGTGMPMPQPPVMFAQPMRPPFGAAAVPGTQLSPSTPASQSPKKPPAKDPLADLNKIDFL

TRTRPLE - GFP Tag - V

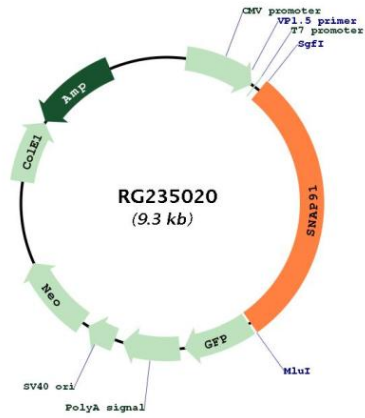
Restriction Sites: SgfI-MluI

Cloning Scheme:



<b>ACCN:</b>	NM_001242792
<b>ORF Size:</b>	2721 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001242792.1</a> , <a href="#">NP_001229721.1</a>
<b>RefSeq Size:</b>	4462 bp
<b>RefSeq ORF:</b>	2724 bp
<b>Locus ID:</b>	9892
<b>UniProt ID:</b>	<a href="#">O60641</a>
<b>Cytogenetics:</b>	6q14.2
<b>Gene Summary:</b>	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 RG235020