

## Product datasheet for **RG222020**

### AP180 (SNAP91) (NM\_014841) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AP180 (SNAP91) (NM_014841) 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:**

>RG222020 representing NM\_014841  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCGGGCCAAACGCTCACGGATCGGATCGCCGCCGCTCAGTACAGCGTTACAGGCTCTGCTGTAGCAA  
 GAGCGGTCTGCAAAGCCACTACTCATGAAGTAATGGGCCCAAGAAAAAGCACCTGGACTATTTGATCCA  
 GGCTACCAACGAGACCAATGTTAATATTCCTCAGATGGCCGACACTCTCTTTGAGCGGGCAACAAACAGT  
 AGCTGGGTGGTTGTGTTAAGGCTTTAGTGACAACACATCATCTCATGGTGCATGGAAATGAGAGATTTA  
 TTCAATATTTGGCTTCTAGAAATACACTATTCAATCTCAGCAATTTTTGGACAAAAGTGGATCCCATGG  
 TTATGATATGTCTACCTTATAAGGCGCTATAGTAGATATTTGAATGAAAAGGCTTTTTCTTACAGACAG  
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 TGCTAAAGAGTATGCCAATACTACAGGGACAAATTGATGCACTGCTTGAATTTGATGTGCATCCAATGA  
 ACTAACAAATGGTGTCAAATGCAGCATTTATGCTTCTTTCAAAGATCTTATCAAACCTTTTTGCTTGC  
 TACAATGATGGTGTATTAACCTACTCGAAAAGTTTTTTGAAATGAAGAAAGGACAATGTAAGATGCTC  
 TAGAAATTTACAACGATTTCTAACTAGAAATGACACGAGTGTCTGAATTTCTCAAGGTTGCAGAGCAAGT  
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 CATCTAAATACATTAGAAGGAAAGAAACCTGGAACAATGAAGGATCTGGTGTCCCTCTCCATTAAGTA  
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 GGTTGATTTATTTGCAACTGCATCTCGGGCTGTCCAGTCAGCACTTCTAAACCTCTAGTGATCTCCTG  
 GACCTCCAGCCAGACTTTTCTCTGGAGGGCAGCAGCCGCCAGCACCAGCACCACCACCACCTGCTG  
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 TGCTGCCACCGCCGCTGCCACCACCACTACCACCCTCCGCTGCCACCGCCACCCTGCTCCTCCTGCT  
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 TTCTCTCACTGCTGACCTTATCTGTGGATGCATTTGCAGCACCATCTCCTGCAACCCTGCTCGCCA  
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 ACTGGCAGCCTAAAGTAGCTCCAGCAACCTGGTCAAGCAGCGTTCCACCAAGTGCACCTTTGCAAGGAGC  
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 TGAGGCCCCCTTTGGAGCTGCCGCTGTACCTGGCAGCAGCTTTCTCCAAGCCCTACACCTGCCAGTCA  
 GAGTCCCAAGAAACCTCCAGCAAAGGACCCATTAGCGGATCTTAACATCAAGGATTTCTTG

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

**Protein Sequence:** >RG222020 representing NM\_014841  
 Red=Cloning site Green=Tags(s)

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MSGQTLTDRIAAQYSVTGSAVARAVCKATTHEVMGPKKKHLDYLIQATNETNVNIPQMADTLFERATNS
SWVVVKALVTTTHLMVHGNERFIQYLASRNTLFNLSNFLDKSGSHGYDMSTFIRRYSRYLNEKAFSYRQ
MAFDFARVKKGADGVMRTMAPEKLLKSMPILOGQIDALLEFDVHPNELNGVINAAMLLFKDLIKLFAC
YNDGVINLLEKFFEMKKGQCKDALEIYKRFLTRMTRVSEFLKVAEQVGIKGDIPDLTQAPSSLMETLEQ
HLNTLEGKKPGNNEGSGAPSLSKSSPATTVTSPNSTPAKTIDTSPPVDFATASAAVPVSTSKPSSDLL
DLQPDFSSGGAAPAPPPPAGGATAWGDLLGEDSLAALSSVPSEAQISDPFAPEPTPTTTAEIATA
SASASTTTVTAVTAEVDFGDFAASPGEAAPAASEGAAAPATPTPVAAALDACSGNDPFAPSEGSAAEA
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LDIFGDLFESTPEVAAPKPDAAPSIDLFSTDAFSSPPQASVPPESSLTADLLSVDAFAAPSPATTASP
AKVDSSGVIDLFGDAFGSSASEPQPASQAASSSSASADLLAGFGGSFMAPSPSPVTPAQNNLLQPNFEAA
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SGTTTTKGDQLQWNAGEKLLTGGANWQPKVAPATWSAGVPPSAPLQGAVPPTSSVPPVAGAPSVGQPGAGF
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```

TRTRPLE - GFP Tag - V

**Restriction Sites:**

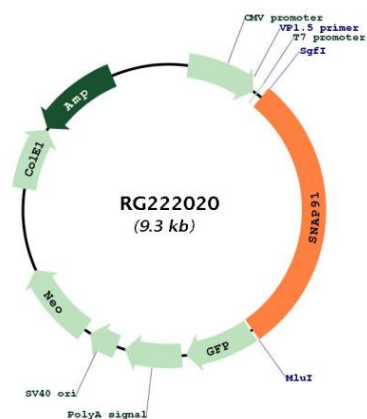
Sgfl-MluI

**Cloning Scheme:**



<b>ACCN:</b>	NM_014841
<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_014841.1</a> , <a href="#">NP_055656.1</a>
<b>RefSeq Size:</b>	4369 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>Domains:</b>	ENTH
<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 RG222020