

Product datasheet for **SC114802**

AP180 (SNAP91) (NM_014841) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | AP180 (SNAP91) (NM_014841) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | AP180 |
| Synonyms: | AP180; CALM |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



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Fully Sequenced ORF: >NCBI ORF sequence for NM_014841, the custom clone sequence may differ by one or more nucleotides

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ATGTCGGGCCAAACGCTCACGGATCGGATCGCCGCCGCTCAGTACAGCGTTACAGGCTCTGCTGTAGCAA
GAGCGGTCTGCAAAGCCACTACTCATGAAGTAATGGGCCCAAGAAAAAGCACCTGGACTATTTGATCCA
GGCTACCAACGAGACCAATGTTAATATTCCTCAGATGGCCGACACTCTCTTTGAGCGGGCAACAACAGT
AGCTGGGTGGTTGTGTTAAGGCTTTAGTGACAACACATCATCTCATGGTGCATGGAAATGAGAGATTTA
TTCAATATTTGGCTTCTAGAAATACACTATTCAATCTCAGCAATTTTTTGGACAAAAGTGGATCCCATGG
TTATGATATGTCTACCTTCATAAGGCGCTATAGTAGATATTTGAATGAAAAGGCTTTTTCTTACAGACAG
ATGGCCTTTGATTTTCCAGGGTGAAGAAAGGGCCGATGGTGTAAATGAGGACAAATGGCTCCCGAAAAGC
TGCTAAAGAGTATGCCAATACTACAGGGACAAATTGATGCACTGCTTGAATTTGATGTGCATCCAATGA
ACTAACAATGGTGTATAAATGCAGCATTATGCTTCTTTCAAAGATCTTATCAAACCTTTTTGCTTGC
TACAATGATGGTGTATTAACCTACTCGAAAAGTTTTTTGAAATGAAGAAAGGACAATGTAAGATGCTC
TAGAAATTTACAACGATTTCTAACTAGAATGACACGAGTGTCTGAATTTCTCAAGTTGCAGAGCAAGT
TGGTATTGATAAAGGTGACATTCCTGACCTCACACAGGCTCCCAGCAGTCTTATGGAGACGCTTGAACAG
CATCTAAATACATTAGAAGGAAAGAAACCTGGAACAATGAAGGATCTGGTGTCCCTCTCCATTAAAGTA
AGTCTTCTCCAGCCACAACCTGTTACGTCTCCTAATTCTACACCAGCTAAAACCTATTGACACATCCCACC
GGTTGATTTATTTGCAACTGCATCTGCGGCTGTCCAGTCAGCACTTCTAAACCTCTAGTGATCTCCTG
GACCTCCAGCCAGACTTTTCTCTGGAGGGGCAGCAGCAGCCGCAGCACCAGCACCACCACCTGCTG
GAGGAGCCACTGCATGGGAGACCTTTTGGGAGAGGATTTCTTTGGCTGCACTTTCTCTGTTCCCTCTGA
AGCAGAGATTTCCAGATCCATTTGCACCAGAACCCTACCCCTCCTACTACAACCTGCTGAAATGCAACTGCC
TCAGTCTGCTCCACTACTACAACCTGTTACTGCTGTCACTGCTGAAGTGGATCTCTTTGGAGATGCCT
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CCTGAGCTGGACCTCTTTGCAATGAAGCCACCTGAGACCAGTGTCTCTGTAGTTACCCCTACAGCTAGCA
CAGCCCCCAGTTCCCGCAACTGCTCCTTCTCCTGCTCCTGCCGTTGCAGCTGCTGCTGCCACTAC
TGCTGCCACCGCCGCTGCCACCACCTACCACCCTCCGCTGCCACCGCCACCAGTCTCCTCCTGCT
CTAGATATCTTTGGTGATTTATTTGAGTCCACTCCTGAAGTTGCTGCAGCGCCTAAGCCAGATGCTGCTC
CTAGCATAGACCTGTTTAGTACAGATGCTTTCTCCTCCTCACCACAAGGGGCCTCTCCTGTGCTGAGAG
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GCAAAGGTGGATTCTTCAGGTGTCATAGACCTTTTGGGGATGCATTTGGAAGTAGTGCTTCTGAACCCC
AACCTGCATCTCAGGCTGCTTCTAGTTCATCAGCATCGGCAGACCTACTAGCTGGATTTGGGGGTTCTTT
CATGGCGCCTTCCCCATCTCCAGTGACTCCAGCTCAGAATAACCTGCTACAGCCCAATTTTGGGAGCT
TTTGGGACAACGCCTTCAACTTCCAGCAGCAGCTCCTTTGATCCATCAGTGTTTGTAGGTCTAGGTGATC
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TGTACCTCAACCAAGTTCAAGTTCCTGTTGCCGGGGCCCATCGGTTGGACAACCTGGAGCAGGATTT
GGAATGCCTCCTGCTGGGACAGGATGCCATGATGCCTCAGCAGCCGGTCTGTTTGCACAGCCCATGA
TGAGGCCCCCTTTGGAGCTGCCGCTGTACCTGGCAGCAGCTTTCTCCAAGCCCTACACCTGCCAGTCA
GAGTCCCAAGAAACCTCCAGCAAAGGACCCATTAGCGGATCTTAACATCAAGGATTTCTTGTA
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014841 unedited
 NAGGTCGCCAATTGTTATACGACCATTAAGGGCGCCGCGAATCGCACGAGCAGGGCGGTG
 GGCGCCGGGACCGCGGAGCTGAGGAGCGGGGCCCGCCAGGGCTGGAGACTTTGCGCCCC
 GGGGCACCGGGGCTGCGCGCGGTGCGACACATCCACCGGCGCGGCTTCCCTCGGCGGGCC
 GGGCTCCGCTCATCTGCGGCGGGCGGCCGCTCAGGGCGGGGTGAGTACCCGCGGCG
 GTACTCGGCCCTCCCCGCGCCAGGGTCTCGCGGGGATCCGCAGAGGATAATCCAGGG
 TCGGAGAAAGGGCAGCGGCCGAGTGACAGCTCCGCGGAGCGCTCCAGGGCGGGCGGGGA
 CTGGGCTTCGCTGTACCCCGGCTCCTCTCAAAAGCCAGGAGAGAAGAGGAGGCGGTACA
 CCCAACCCAGAAAGATGTCGGGCCAAACGCTCACGGATCGGATCGCCCGCGCTCANTACA
 GCGTTACAGGCTCTGCTGTANCAAGAGCGGTCTGCAAAGCCACTACTCATGAAGTAATGG
 GCCCAAGAAAAAGCACCTGGACTATTTGATCCAGGCTACCAACGAGACCAATGGTAATA
 TTCCTCAGATGGCCGACACTCTCTTTGAGCGGGCAACAAACAGTAGCTGGGTGGTTGTGT
 TTAAGGCTTTAGTGACAACACATCATCTCAGGGTGCATGGAAATGAAAGATTTATTCAAT
 ATGGGCTTCAAAAAACTATTCAATCTCAGCAATTTTGGGACAAAAGTGGATCCCA
 TGGTTATGATATGTCTACCTTCATAAGGGCTATAGTAGATATTTGAATGAAAAGCTTTT
 TCTTACAGACAGATGGCCTTNGATTTTGCCAGGTGAAAAAAGGGCGCGATGGT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014841 unedited
 GTCCGCGCCGCATTCTATAGTCGGTTTTTTTTTTTTTTTTTTTGCATTTCTTTGTTCAAG
 TGTTTTATGCATCTCAAAGGGCGTACATGCACTGGTTTTTAACTGAAATACAAAGAAA
 GCCATTTTGAAATGGTTTTAAGTAATTTTCCCATTACAGTGTATGTTATCCCCACAG
 TAAATTCAGATAACCACTTTTAAATGGTACCATACATCTATTAATAATTTGAAAAAT
 AGGCAAAACACCTTCCAACCCAATATGCTTTTATGAAGAGCTGCCAAGCTACTAGCAACA
 CTGATCAACAGTGACCTCATTTATGCATCAAAATCTTAAGCCAAGCCATCAGCACAGACA
 GTATGACAACAAATTAATACTTAAAGAATACAGTATGTACAGTAAAAGATACAATTTCTCT
 GAATTAGTTTTAAATCCTAATCACAATGTTACAACAAAACCTACTTTGAGCTCAGTTGAAG
 GATGGAAGAACTAGTCTACAAAACACACAAAGAACTAAATTAACAGATGACTAA
 AAACCCACAGTAAAGTAAAGATATTTGCAGTAATCTTTAAATTACAGATATACCTTGGGG
 TGCCTTCAGAATCACTTGAATAGCACCTCTCTACCCGCATTTTCATGAACATGACACANA
 CCAGACCCTTTACTTTTCAGTGCATTTAATCAAGAATGAATAAATAGGCCAATTTATATT
 GCAAACCTGCCAATATAATTAATAATTTTATTTTATATAGCCGCGATAAATAGGGGATT
 CTTCCCTACCATTTTGTCTTGTGATAAGGAACCTCCAAAAAGAGTTTTTATATGGACCG
 TTACCTTTTATTTTAAATAAAATTTTTACTTTACAGGGCCAAAAATAAACATTCTCA
 CACAGTCGAATTCCTGGGATGGAAAAAGGCTTCCCACTGGAAAGTTCTGCTATTTATGAG
 GTTTCCTTATATTGGGTTATCCACTACCTGGT

Restriction Sites:

NotI-NotI

ACCN:

NM_014841

Insert Size:

4310 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_014841.1](#), [NP_055656.1](#)

RefSeq Size: 4369 bp

RefSeq ORF: 2724 bp

Locus ID: 9892

UniProt ID: [O60641](#)

Cytogenetics: 6q14.2

Domains: ENTH

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]

Transcript Variant: This variant (1) and variant 3 encode the same isoform a.