

Product datasheet for **RC236019**

AP2S1 (NM_001301081) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AP2S1 (NM_001301081) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: AP2S1
Synonyms: AP17; CLAPS2; FBH3; FBHOk; HHC3
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236019 representing NM_001301081
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGTCTGGATCCGCTTTATCCTCATCCAGAACCGGGCAGGCAAGACGCGCCTGGCCAAGTGGTACATGC
AGTTTGATGATGATGAGAAACAGAAGCTGATCGAGGAGGTGCATGCCGTGGTACCCTCCGAGACGCCAA
ACACACCAACTTTGTGGAGTTCGGAACTTAAGATCATTACC GCCGCTATGCTGGCCTCTACTTCTGC
ATCTGTGTGGATGCAATGACAACAACCTGGCTTACCTGGAGGCCATTCACAACTTCGTGGAGGTCTTAA
ACGAATATTTCCACAATGTCTGTGAACCTGGACCTGGTGTCAACTTCTACAAGGTTTACACGGTCGTGGA
CGAGATGTTCTGGCTGGCGAAATCCGAGAGACCAGCCAGACGAAGGTGCTGAAACAGCTGCTGATGCTA
CAGTCCCTGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236019 representing NM_001301081
Red=Cloning site Green=Tags(s)

MVWIRFILIQRAGKTRLAKWYMQFDDDEKQKLEEVHAVVTVRDAKHTNFVEFRNFKIIYRRYAGLYFC
ICVDVNDNNLAYLEAIHNFVEVLNEYFHNVCELDLVFNFKVYTVVDEMFLAGEIRETSQTKVLKQLLML
QSLE

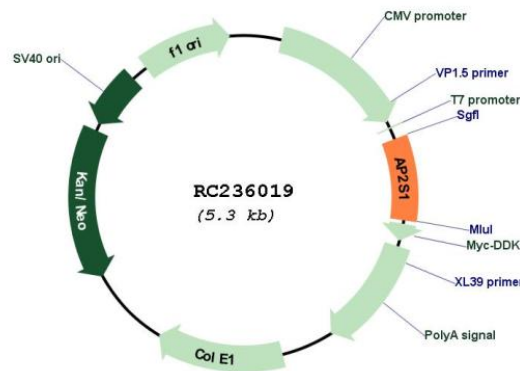
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-Mlul



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001301081

ORF Size: 432 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.

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| 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: | <ol style="list-style-type: none">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: | <u>NM_001301081.2</u> |
| RefSeq Size: | 847 bp |
| RefSeq ORF: | 435 bp |
| Locus ID: | 1175 |
| UniProt ID: | <u>P53680</u> |
| Cytogenetics: | 19q13.32 |
| Protein Pathways: | Endocytosis, Huntington's disease |
| MW: | 17.8 kDa |
| Gene Summary: | One of two major clathrin-associated adaptor complexes, AP-2, is a heterotetramer which is associated with the plasma membrane. This complex is composed of two large chains, a medium chain, and a small chain. This gene encodes the small chain of this complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014] |