

## Product datasheet for **RG202919**

### AP2S1 (NM\_004069) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** AP2S1 (NM\_004069) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** AP2S1  
**Synonyms:** AP17; CLAPS2; FBH3; FBHOk; HHC3  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG202919 representing NM\_004069  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATCCGCTTTATCCTCATCCAGAACCGGGCAGGCAAGACGCGCCTGGCCAAGTGGTACATGCAGTTTG  
ATGATGATGAGAAACAGAAGCTGATCGAGGAGGTGCATGCCGTGGTCACCGTCCGAGACGCCAAACACAC  
CAACTTTGTGGAGTTCGGAACTTAAAGATCATTTACCGCGCTATGCTGGCCTCTACTTCTGCATCTGT  
GTGGATGTCAATGACAACAACCTGGCTTACCTGGAGGCCATTCAAACTTCGTGGAGGTCTTAAACGAAT  
ATTTCCACAATGTCTGTGAAGTGGACCTGGTGTCAACTTCTACAAGTTTACACGGTCGTGGACGAGAT  
GTTCTGGCTGGCGAAATCCGAGAGACCAGCCAGACGAAGGTGCTGAAACAGCTGCTGATGCTACAGTCC  
CTGGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG202919 representing NM\_004069  
Red=Cloning site Green=Tags(s)

MIRFILIQNRAGKTRLAKWYMQFDDDEKQKLIEEVHAVVTVRDAKHTNFVEFRNFKIYRRYAGLYFCIC  
VDVNDNNLAYLEAIHNFVEVLNEYFHNVCLELDLVFNFYKVVTVDEMFLAGEIRETSQTKVLKQLLMLQS  
LE

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**


**ACCN:** NM\_004069

**ORF Size:** 426 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\\_004069.6](#)

**RefSeq Size:** 890 bp

**RefSeq ORF:** 429 bp

**Locus ID:** 1175

**UniProt ID:** [P53680](#)

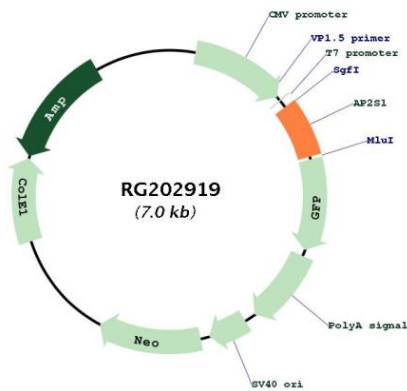
**Cytogenetics:** 19q13.32

**Domains:** Clat\_adaptor\_s

**Protein Pathways:** Endocytosis, Huntington's disease

**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]

**Product images:**



Circular map for RG202919