

Product datasheet for **RG236019**

AP2S1 (NM_001301081) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AP2S1 (NM_001301081) 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: >RG236019 representing NM_001301081.
 Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGTCTGGATCCGCTTTATCCTCATCCAGAACCAGGCAAGACGCGCCTGGCCAAGTGGTACATG
CAGTTTGTATGATGAGAAACAGAAGCTGATCGAGGAGGTGCATGCCGTGGTACCCTCCGAGACGCC
AAACACACCAACTTTGTGGAGTCCGGAACCTTAAAGATCATTTACCGCCGCTATGCTGGCCTCTACTTC
TGCATCTGTGGATGTCAATGACAACAACCTGGCTTACCTGGAGGCCATTCACAACCTTCGTGGAGGTC
TTAAACGAATATTTCCACAATGTCTGTGAACCTGGACCTGGTGTCAACTTCTACAAGTTTACACGGTC
GTGGACGAGATGTTCTGGCTGGCGAAATCCGAGAGACCAGCCAGACGAAGGTGCTGAAACAGCTGCTG
ATGCTACAGTCCCTGGAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236019
 Blue=ORF Red=Cloning site Green=Tag(s)

```
MVWIRFILIQRAGKTRLAKWYMQFDDDEKQKLIEEVHAVVTVRDAKHTNFVEFRNFKIIYRRYAGLYF
CICVDVNDNNLAYLEAIHNFVEVLNEYFHNVCELDVLVFNFKYVTVVDEMFLAGEIRETSQTKVLKQLL
MLQSLE
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSDHMFKSAIHPISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

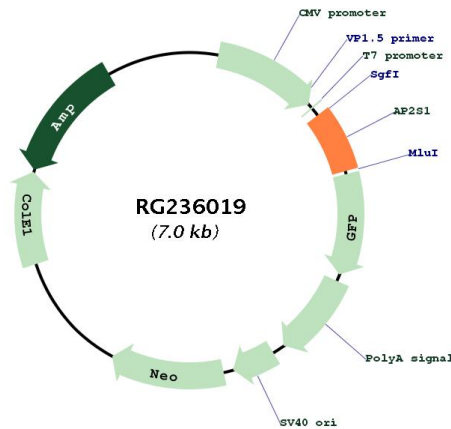
Restriction Sites: SgfI-MluI



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.

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).
RefSeq:	NM_001301081.2
RefSeq Size:	847 bp
RefSeq ORF:	435 bp
Locus ID:	1175
UniProt ID:	P53680
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]