

Product datasheet for **RG223424**

AP2S1 (NM_021575) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AP2S1 (NM_021575) 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: >RG223424 representing NM_021575
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATCCGCTTTATCCTCATCCAGAACCAGGCAAGACGCGCCTGGCCAAGTGGTACATGCAGTTTG
 ATGATGATGAGAAACAGAAGCTGATCGAGGAGGTGCATGCCGTGGTCACCGTCCGAGACGCCAAACACAC
 CAACTTTGTGGAGTTCGGAACTTAAAGATCATTTACCGCGCTATGCTGGCCTCTACTTCTGCATCTGT
 GTGGATGTCAATGACAACAACCTGGCTTACCTGGAGGCCATTCAAACTTCGTGGAGGTCTTAAACGAAT
 ATTTCCACAATGTCTGTGAAGTGGACCTGGTGTCAACTTCTACAAGTTTACACGGTCGTGGACGAGAT
 GTTCCTGGCTGGCGAAATCCGAGAGACCAGCCAGACGAAGGTGCTGAAACAGCTGCTGATGCTACAGTCC
 CTGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG223424 representing NM_021575
 Red=Cloning site Green=Tags(s)

MIRFILIQNRAGKTRLAKWYMQFDDDEKQKLIEEVHAVVTVRDAKHTNFVEFRNFKIYRRYAGLYFCIC
 VD VNDNNLAYLEAIHNFVEVLNEYFHNVCLELDL VFNFYKYVTVVDEMFLAGEIRETSQTKVLKQLMLQSL
 E

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_021575

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

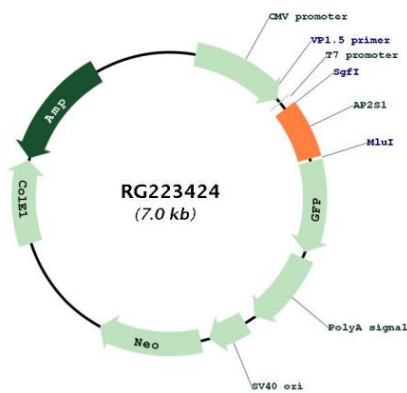
RefSeq: [NM_021575.2](#), [NP_067586.1](#)

RefSeq Size: 776 bp

RefSeq ORF: 315 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 RG223424