

Product datasheet for **RG200557**

AP1S1 (NM_057089) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AP1S1 (NM_057089) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: AP1S1
Synonyms: AP19, CLAPS1, SIGMA1A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG200557 representing NM_057089
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGCGGTTTCATGCTATTATTCAGCCGGCAGGGAAAACGCGGCTGCAAAAATGGTACCTGGCCACTT
 CGGACAAGGAACGGAAGAAGATGGTGCGGAGCTCATGCAGGTTGTCTGGCTCGAAAGCCCAAGATGTG
 CAGCTTCTGGAGTGGAGGGACCTCAAAGTTGTCTATAAGAGATATGCCAGCCTCTACTTCTGCTGCGCC
 ATCGAGGGCCAAGACAATGAGCTCATCACACTGGAGCTGATCCACCGATACGTGGAGCTCTAGACAAAT
 ACTTTGGCAGTGTGTGCGAGCTGGACATCATCTTCAACTTTGAGAAGGCCTACTTCATCCTGGATGAGTT
 TTTGATGGGGGGGATGTCCAGGACACCTCCACTTCCCCTTTCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG200557 representing NM_057089
 Red=Cloning site Green=Tags(s)
 MMRFMLLFSRQGLRLQKWYLATSDKERKKMVRELMQVVLARKPKMCSFLEWRDLKVVYKRYASLYFCCA
 IEGQDNELITLELIHRYVELLDKYFGSVCELDIIFNFEKAYFILDEFMGGDVQDTSTFPFSSH

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_057089

ORF Size: 399 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.

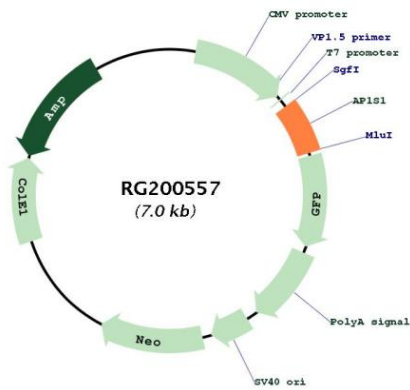
RefSeq: [NM_057089.2](#)

RefSeq Size: 958 bp

RefSeq ORF: 401 bp

Locus ID: 1174
Cytogenetics: 7q22.1
Protein Families: Druggable Genome
Protein Pathways: Lysosome
Gene Summary: The protein encoded by this gene is part of the clathrin coat assembly complex which links clathrin to receptors in coated vesicles. These vesicles are involved in endocytosis and Golgi processing. This protein, as well as beta-prime-adaptin, gamma-adaptin, and the medium (mu) chain AP47, form the AP-1 assembly protein complex located at the Golgi vesicle. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200557