

Product datasheet for **RG224834**

AP1S1 (NM_001283) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AP1S1 (NM_001283) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: AP1S1
Synonyms: AP19; CLAPS1; EKV3; MEDNIK; SIGMA1A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG224834 representing NM_001283
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGCGGTTTCATGCTATTATTCAGCCGGCAGGGAAAACGCGGCTGCAAAAATGGTACCTGGCCACTT
CGGACAAGGAACGGAAGAAGATGGTGCGCGAGCTCATGCAGGTTGTCCTGGCTCGAAAGCCCAAGATGTG
CAGCTTCTGGAGTGGAGGGACCTCAAAGTTGTCTATAAGAGATATGCCAGCCTCTACTTCTGCTGCGCC
ATCGAGGGCCAAGACAATGAGCTCATCACACTGGAGCTGATCCACCGATACGTGGAGCTCTTAGACAAAT
ACTTTGGCAGTGTGTGCGAGCTGGACATCATCTTCAACTTTGAGAAGGCCTACTTCATCCTGGATGAGTT
TTTGATGGGGGGGATGTCCAGGACACCTCCAAGAAGAGTGTGCTGAAAGCCATCGAGCAGGCTGACCTA
CTGCAAGAGGAGGATGAGTCGCCACGGAGTGTGCTGGAGGAGATGGGTTTGGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224834 representing NM_001283
Red=Cloning site Green=Tags(s)

MMRFMLLFSRQGLRLQKWYLATSDKERKMKVRELMQVVLARKPKMCSFLEWRDLKVYKRYASLYFCCA
IEGQDNELITLLEIHRYVELLDKYFGSVCELDIIFNFEKAYFILDEFMGGDVQDTSKKSVLKAIQADL
LQEEDESPRSVLEEMGLA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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:	NM_001283.5
RefSeq Size:	1297 bp
RefSeq ORF:	477 bp
Locus ID:	1174
UniProt ID:	P61966
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]