

Product datasheet for MR201197

Ap1s1 (NM_007457) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ap1s1 (NM_007457) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Ap1s1
 Synonyms: AP19
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR201197 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGATGCGATTTCATGCTACTGTTTCAGCCGGCAGGGAAAACCTTCGGCTACAAAAATGGTACCTGGCCACCT
 CAGACAAGGAGAGGAAGAAGATGGTCCGAGAGCTCATGCAAGTCGTCCTGGCTAGAAAGCCCAAAATGTG
 CAGCTTCTGGAGTGGAGGGACCTCAAAGTTGTCTATAAGAGATACGCCAGTCTCTATTTCTGCTGCGCC
 ATCGAAGGCCAAGACAACGAGCTGATCACACTGGAGCTGATCCACCGATACGTAGAGCTCTGGACAAGT
 ACTTCGGCAGCGTATGTGAGTTGGACATCATCTCAACTTTGAGAAAGCCTACTTTATCCTGGACGAGTT
 TCTGATGGGTGGGGATGTCCAGGACACCTCCAAGAAGAGTGTGCTCAAGGCCATTGAGCAGGCTGACCTG
 CTCGAGGAGGAGGATGAGTCGCCCGCAGTGTCTTGGAGGAGATGGGCTGGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201197 protein sequence
 Red=Cloning site Green=Tags(s)

MMRFMLLFSRQGLRLQKWLATSDKERKMKVRELMQVVLARKPKMCSFLEWRDLKVYKRYASLYFCCA
 IEGQDNELITLELIHRYVELLDKYFGSVCELDIIFNFEKAYFILDEFMLGGDVQDTSKKSVLKAIQADL
 LQEEDESPRSVLEEMGLA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_007457

ORF Size: 477 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_007457.3](#)

RefSeq Size: 1277 bp

RefSeq ORF: 477 bp

Locus ID: 11769

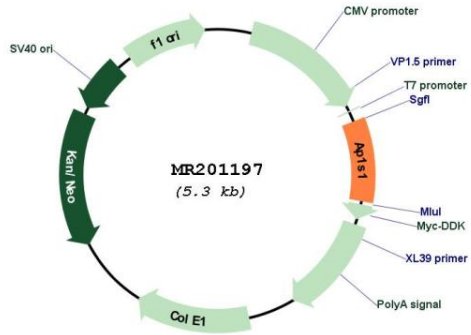
UniProt ID: [P61967](#)

Cytogenetics: 5 G2

MW: 18.7 kDa

Gene Summary: Subunit of clathrin-associated adaptor protein complex 1 that plays a role in protein sorting in the late-Golgi/trans-Golgi network (TGN) and/or endosomes. The AP complexes mediate both the recruitment of clathrin to membranes and the recognition of sorting signals within the cytosolic tails of transmembrane cargo molecules.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201197