

Product datasheet for MR201243

Ap1s2 (NM_026887) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ap1s2 (NM_026887) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ap1s2
Synonyms: 1500012A13Rik; AI853648; EST1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201243 representing NM_026887
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGTTTATGTTGCTTTTTAGTCGCCAGGAAAGCTTCGACTGCAGAAATGGTATGTCCCACTGTGAG
ACAAAGAAAAGAAGAAGATCACAAAGAGAACTTGTCAAACCGTTTTAGCACGAAACCAAGATGTGAG
CTTCTTGAGTGGAGAGATCTGAAGATTGTTTATAAAGATATGCCAGTCTATATTTTTGCTGTGCTATT
GAGGATCAGGACAATGAAGTATTACCCTGAAATAATCCATCGTTACGTGGAATTACTTGACAAGTATT
TTGGCAGTGTATGTGAAGTATCATCTTTAATTTTGAAGGCCTATTTATTTGGATGAATTTCT
CTTGGGAGGAGAAGTTCAGGAAACATCCAAGAAAATGTCTTAAAGCAATTGAGCAGGCCGATCTCCTG
CAGGAGAAAACAGAGACTATGTATCACGCAAGAGTTTCATTGGGTATAAGAAAGCGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201243 representing NM_026887
Red=Cloning site Green=Tags(s)
MQFMLLFSRQGLRLQKWYVPLSDKEKKKITRELVQTVLARKPKMCSFLEWRDLKIVYKRYASLYFCCAI
EDQDNELITLIIHRYVELLDKYFYSVQELDIIIFNEKAYFILDEFLLGGEVQETSKKNVLAIEQADLL
QEKTEMYHKSFIGYKKAY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9053_c09.zip



[View online >](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_026887

ORF Size: 480 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_026887.3](#), [NP_081163.2](#)

RefSeq Size: 3327 bp

RefSeq ORF: 483 bp

Locus ID: 108012

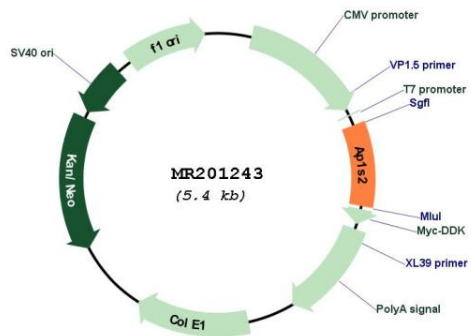
UniProt ID: [Q9DB50](#)

Cytogenetics: X F5

MW: 19.2 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 (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201243