

Product datasheet for MR201601

Aprt (NM_009698) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aprt (NM_009698) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Aprt
Synonyms: C85684
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201601 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGAACCTGAGTTGAACTGGTGGCGCGGCATCCGCAGCTTCCCCGACTTCCCAATCCCGGGCG
 TGCTGTTCAAGGATATCTCGCCCTCTTGAAGACCCGGACTCCTCCGAGCTTCCATCCGCCTCTGGC
 CAGTCACCTGAAGTCCACGCACAGCGCAAGATCGACTACATCGCAGGTCTAGACTCCAGGGCTCCTG
 TTTGGCCCTTCCCTAGCTCAGGAGCTGGCGTGGGCTGTGTGCTCATCCGAAACAGGGGAAGCTGCCGG
 GCCCACTGTGTGACCTCCTATTCTCTGGAGTATGGGAAGGCTGAGCTGAAATCCAGAAAGATGCCTT
 GGAACCCGGGCAGAGAGTGGTCATTGTGGATGACCTCCTGGCCACAGGAGGAACCATGTTTGCGGCCTGT
 GACCTGTGACACAGCTCCGGGCTGAAGTGGTGGAGTGTGTGAGCCTGGTGGAGCTGACCTCGTGAAGG
 GCAGGGAGAGGCTAGGACCTATACCATTCTCTCTCCTCCAGTATGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201601 protein sequence
 Red=Cloning site Green=Tags(s)

MSEPELKLVARIRSFDFPIPGVLFDRDISPLLKDPDSFRASIRLLASHLKSTHSGKIDYIAGLDSRGFL
 FGPSLAQELGVGCVLIRKQKLPGPTVSASYSLEYGKAELEIQKDALEPGQRVVI VDDLLATGGTMFAAC
 DLLHLRAEVVECVSLVELTSLKGRERLGPPIFFSLLQYD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:



ACCN: NM_009698

ORF Size: 543 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_009698.2](#), [NP_033828.2](#)

RefSeq Size: 866 bp

RefSeq ORF: 543 bp

Locus ID: 11821

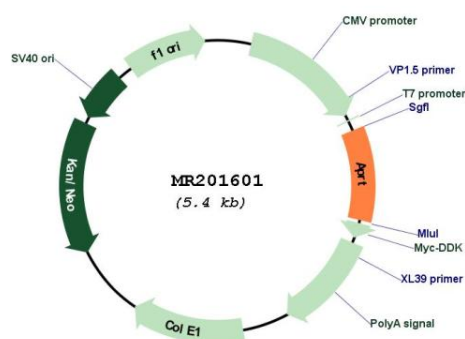
UniProt ID: [P08030](#)

Cytogenetics: 8 71.91 cM

MW: 19.7 kDa

Gene Summary: Catalyzes a salvage reaction resulting in the formation of AMP, that is energetically less costly than de novo synthesis.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201601