

Product datasheet for **RR212919**

Aprt (NM_001013061) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Aprt (NM_001013061) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Aprt
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212919 representing NM_001013061
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGAATCTGAGTTGCAGCTGGTGGCGGGCGCATCCGCAGCTTCCCGACTTCCCATCCCAGGGCG
TGCTGTTCAGGGATATCTCGCCCTCTGAAAGATCCGGACTCCTCCGAGCTTCCATCCGCCTCCTGGC
CGGTCACCTGAAGTCCACGCACGGCGGCAAGATCGACTACATCGCAGGTCTGGACTCCAGGGGCTTCTGT
TTTGGCCCTTCCCTTGCTCAGGAGCTGGGGTGGGCTGTGTGCTCATCCGTAAGCGGGGAAGCTACCAG
GCCCCACTGTATCAGCCTCCTATTCTCTAGAGTATGGGAAGGCTGAGCTGAAATCCAGAAAGATGCCTT
AGAACCGGGCAGAAAGTGGTCATTGTGGATGATCTCCTGGCACTGGAGGAACCATGTGTGCAGCCTGT
GAGCTGCTGAGCCAGCTGCGGGCTGAGGTGGTGGAGTGTGTGAGCCTGGTGGAGCTGACCTCCCTGAAGG
GCAGGGAGAAGCTGGGACCTGTGCCATTCTCTCTCCTGCAGTATGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212919 representing NM_001013061
Red=Cloning site Green=Tags(s)

MSESELQLVARRIRSFDFPIPGVLFRDISPLLKDPDSFRASIRLLAGHLKSTHGGKIDYIAGLDSRGFL
FGPSLAQELGVGCVLIRKRGKLPGPTVSASYSLEYGKAELEIQKDALEPGQKVVI VDDLLATGGTMCAAC
ELLSQLRAEVVECVSLVELTSLKGREKLGVPVFFSLLQYE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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:	<u>NM_001013061.1, NP_001013079.1</u>
RefSeq Size:	543 bp
RefSeq ORF:	543 bp
Locus ID:	292072
UniProt ID:	<u>P36972</u>
Cytogenetics:	19q12
MW:	19.5 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]