

Product datasheet for **RR212357**

Atp6v1g1 (NM_001106660) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp6v1g1 (NM_001106660) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Atp6v1g1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212357 representing NM_001106660
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGAGTCAGTCGCAGGGCATCCAGCAGCTACTGCAGGCTGAGAAGCGGGCGGCCGAGAAGGTGTCCG
AGGCCCGCAAGCGAAAGAACCGGAGACTGAAGCAGGCCAAAGAAGCCAGGCTGAAATTGAACAGTA
CCGTCTGCAGAGGGAGAAGGAGTTCAAGGCCAAGGAAGCTGCGGCATTGGGGTCCCATGGCAGTTGTAGC
AGTGAGGTGGAAGGAGAGCCAGGAGAAGATGACCATCCTCCAGAACTACTTTGAGCAGAACAGAGATG
AAGTCCTGGATAACCTCTTGGCCTTTGTGTGTGACATCCGGCCAGAAATCCATGAAACTACCGCATAAA
TGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212357 representing NM_001106660
Red=Cloning site **Green**=Tags(s)

MASQSQGIQQLLQAEKRAAEKVSEARKRKNRRLKQAKEEAQAEIEQYRLQREKEFKAKEAAALGSHGSCS
SEVEKETQEKMTILQNYFEQNRDEVLDNLLAFVCDIRPEIHENYRING

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

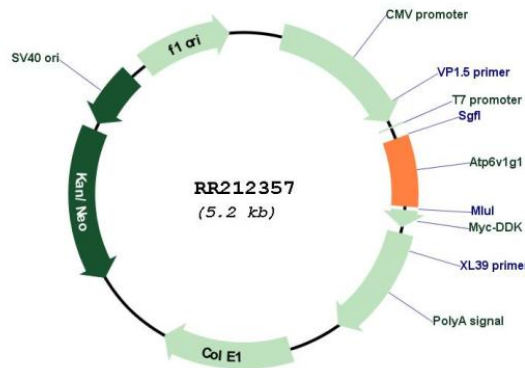


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106660

ORF Size: 354 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:	<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_001106660.1, NP_001100130.1</u>
RefSeq Size:	1074 bp
RefSeq ORF:	357 bp
Locus ID:	298103
Cytogenetics:	5q24
MW:	13.7 kDa