

Product datasheet for **MG205962**

Atp6v1c1 (NM_025494) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp6v1c1 (NM_025494) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Atp6v1c1
Synonyms:	1700025B18Rik; U13839
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205962 representing NM_025494 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTGAGTTCTGGCTCATATCTGCTCCTGGGAGAAAACCTGTCAGCAAACATGGGAGAACTACATG
CAGCGACCACCAAGAACAATAATCTTGCCGCTCTTCCAAGTTCAACATTCCTGACCTAAAGTTGGCAC
GTTGGATGCTTGGTTGGCTTGTCCGATGAAGTAACTGGTAACTGGATGATTTGTAGAAGGTGTGGTCAAG
AAAGTGGCTCAGTACATGGCTGATGTGCTGGAGGACAGCAAAGATAAAGTTCAGGAGAAGTTCCTGGCCA
GCGGAGTTGACTTGGTTACTTACATAACAAGGTTCCAGTGGGATATGGCTAAATATCCAATCAAGCAGTC
TCTGAAAAATATTCTGAAATAATTGCCAAGGGAGTGACTCAGATCGATAATGACCTAAAGTCTCGGGCG
TCTGCATACAATAACCTGAAAGGAATCTTCAAGATTTAGAGCGAAAGAACGCGGGAAGTTTGCTAACGC
GAAGCCTGGCGGAAATCGTGAAGAAAGATGACTTTGTTCTTGATTCCGAGTATCTTGTACATTGCTGGT
GGTAGTCCCAAGCTGAACCACAATGACTGGATTAAGCAGTATGAAACGCTCGCAGAAATGGTAGTACCA
AGGTCAAGCAATGTTCTTTCAGAGGACCAAGACAGTTATCTTTGTAAACGTCACCTTGTAGAAAAGCAG
TTGATGATTTTCAGACACAAGCCAGAGAAAACAAGTTCATAGTTCGTGACTTCCAGTATAACGAGGAGGA
GATGAAAGCAGATAAAGAAGAAATGACCAGGCTGTCTACTGACAAGAAGAAGCAGTTTGGACCACCTGTG
CGTGGCTTAAAGTGAATTTCAAGTGGGCTTTATTGCGTGGATTCATATAAAGCATTACGGGTTTTTG
TGGAGTCTGTTTTAAGGTATGGCTTGGCGTGAAGTTCAGCAATGCTCCTTCAGCCGAATAAGAAGTC
AGTGAAGAAGCTAAGAGAAGTGCTGCACAGTGTACAAGCATCTGGACAGCAGTCCGGCTGCCATCATT
GACGCTCCATGGATATCCCTGGCTAAACCTGAGTCAGCAGGAATACTACCCTATGTGTATTACAAGA
TTGATTGCAACTTGTGGAATTCAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205962 representing NM_025494
 Red=Cloning site Green=Tags(s)

MTEFWLISAPGEKTCQQTWEKLHAATTKNNLAVSSKFNIPDLKVGTLVDLVGLSDELAKLDAFVEGVVK
 KVAQYMADVLEDSKDKVQENLLASGVDLVTYITRFQWDMAYPIKQSLKNISEIIAKGVTQIDNDLKSRA
 SAYNNLKGNLQNLERKNAGSLLTRSLAEIVKKDDFVLDSEYLVTLVVVVKLNHNDWIKQYETLAEMVVP
 RSSNVLSEDDQSYLCNVTLFRKAVDDFRHKARENKFIVRDFQYNEEEMKADKEEMTRLSTDKKKQFGPLV
 RWLKVNFSEAFIAWIHIKALRVFVESVLRVYGLPVNFQAMLLQPNKKS VKKLREVLHELKHLSDSSAAAI
 DAPMDIPGLNLSQQEYYPVYVYKIDCNLLEFK

TRTRPLE - GFP Tag - V

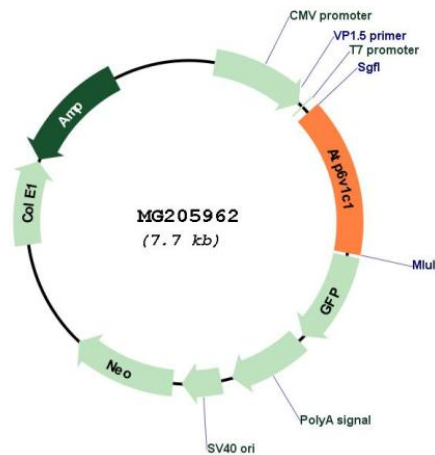
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_025494

ORF Size:	1146 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:	NM_025494.3 , NP_079770.2
RefSeq Size:	1488 bp
RefSeq ORF:	1149 bp
Locus ID:	66335
UniProt ID:	Q9Z1G3
Cytogenetics:	15 B3.1
Gene Summary:	Subunit of the peripheral V1 complex of vacuolar ATPase. Subunit C is necessary for the assembly of the catalytic sector of the enzyme and is likely to have a specific function in its catalytic activity. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.[UniProtKB/Swiss-Prot Function]