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Product datasheet for MG200146

Atp6v0e2 (NM_133764) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Atp6v0e2 (NM_133764) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Atp6v0e2
Synonyms:	0610006O14Rik; NM9.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG200146 representing NM_133764 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGACAGCCCATTCCTTTGCCCTCCCTGTCATCATCTTCACCACATTCTGGGGCCTCATCGGCATCGCTG GGCCCTGGTTCGTGCCCAAAGGACCCAACCGCGGGGTGATCATCACCATGCTGGTAGCTACTGCTGTCTG CTGTTACCTCTTCTGGCTCATTGCCATCTTGGCCCAACTGAACCCCCTGTTTGGGCCACAACTGAAGAAT GAGACCATCTGGTACGTGCGTTTCCTGTGGGAG ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA
Protein Sequence:	>MG200146 representing NM_133764 Red=Cloning site Green=Tags(s) MTAHSFALPVIIFTTFWGLIGIAGPWFVPKGPNRGVIITMLVATAVCCYLFWLIAILAQLNPLFGPQLKN ETIWYVRFLWE TRTRPLE - GFP Tag - V
Restriction Sites:	SgfI-MluI

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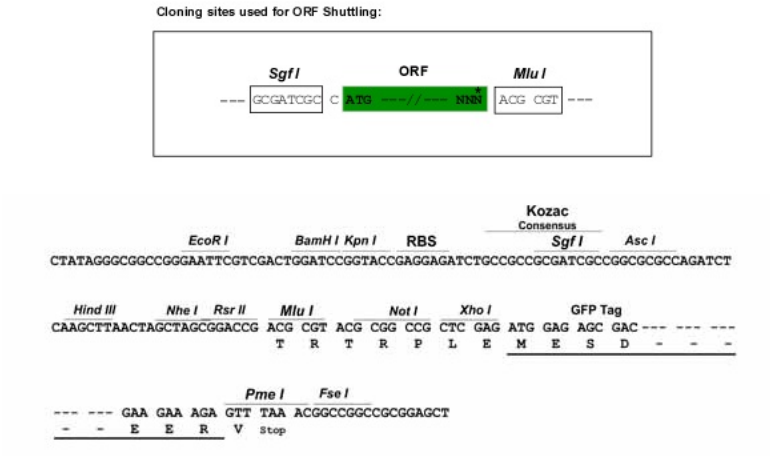
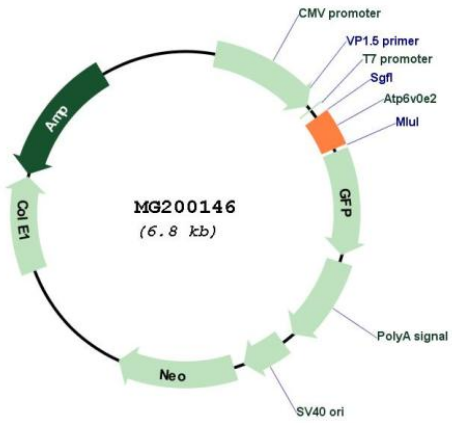
Cloning Scheme:



Plasmid Map:



ACCN: NM_133764

ORF Size: 243 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_133764.1
RefSeq Size:	1786 bp
RefSeq ORF:	246 bp
Locus ID:	76252
UniProt ID:	Q91XE7
Cytogenetics:	6 B2.3
Gene Summary:	Vacuolar ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.[UniProtKB/Swiss-Prot Function]