

Product datasheet for **MG200560**

Atp6v1f (NM_025381) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp6v1f (NM_025381) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Atp6v1f
Synonyms: 1110004G16Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200560 representing NM_025381
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGGCAGAGGTAAGCTAATCGCGGTGATTGGAGACGAGGACACGGTGACTGGTTTCCTGTTGGGCG
GCATAGGGGAGCTAAACAAGAACCACCCTAATTTCTGGTAGTGGAGAAGGATACCACCATCAATGA
GATCGAAGACACTTTCAGGCAATTTCTAAACAGGGATGACATTGGCATCATTCTCATCAACAGTACATC
GCAGAGATGGTTCGGCACGCCCTGGATGCCACCAGAGGTCCATTCCAGCTGTCTGGAGATCCCGTCCA
AGGAGCATCCCTACGATGCAGCCAAAGACTCCATCCTGCGCAGGGCCAAGGCATGTTCCACCGCTGAAGA
CCTGCGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200560 representing NM_025381
Red=Cloning site Green=Tags(s)
MAGRGKLI A V I G D E D T V T G F L L G G I G E L N K N R H P N F L V V E K D T T I N E I E D T F R Q F L N R D D I G I I L I N Q Y I
A E M V R H A L D A H Q R S I P A V L E I P S K E H P Y D A A K D S I L R R A K G M F T A E D L R

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



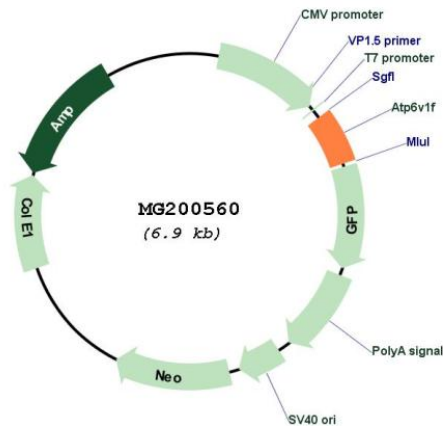
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Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_025381

ORF Size: 357 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_025381.2
RefSeq Size:	636 bp
RefSeq ORF:	360 bp
Locus ID:	66144
UniProt ID:	Q9D1K2
Cytogenetics:	6 A3.3
Gene Summary:	Subunit of the peripheral V1 complex of vacuolar ATPase essential for assembly or catalytic function. V-ATPase is responsible for acidifying a variety of intracellular compartments in eukaryotic cells.[UniProtKB/Swiss-Prot Function]