

Product datasheet for **MG223683**

Atp1b3 (NM_007502) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Atp1b3 (NM_007502) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Atp1b3
Synonyms: AA409958; AI664000; AW212096
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG223683 representing NM_007502
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGAAGACTGAGAAGAAATCCTTCCACCAGAGCCTGGCCGAGTGGAAGCTGTTTCATCTACAACCCGA
GCAGCGGAGAGTTTCTGGGGCGCACCTCCAAGAGCTGGGGTCTGATCTTGCTCTTCTACCTAGTTTTTTA
TGGGTTCTTGGCTGCACTCTTACATTACAATGTGGCCATGCTCCAGACTCTGAATGATGAAGTTCCG
AAATATCGAGACCAGATTCCTAGTCCAGGACTTATGGTTTTTCCAAACCGCAGACTGCCTTGAATATA
CATTTCAGCATGTCTGAGCCACAGACTTACAAAAAGTTGGTTGAAGACCTGGAGAGTTTCTAAAGCCATA
TTCTGTGGAAGAACAAGAACCCTCACAAAGTTGTCTGATGGAGCGCCTTTTATTTCAGCATGGTCCCTGAC
TATAGGGCATGTCAAGTTCCAGTCTCCTTGCTTGAAGAATGTAGTGGTGTGACTGATGCTAATTTTGGCT
ATTCCAAAGGACAGCCTTGCATCCTTGTGAAAATGAACAGAATAATCGATTTAATCCCAGACGGATATCC
ACAAATATCGTGTGTTGCCAAAGGAAGAAAACGCAACTATAGCAACTTATCCTGAATTTGGAGTTTAGAC
TAAAGTATTTCCATATTATGGGAAAAACGGCATGTTGGATATCGACAGCCCCTAGTTGCCGTACAGG
TCAAATTTGACTCTGGTCTTAACAAGAAAGAAGTAACAGTTGAGTGCCATATTGCTGGAACCAGGAACCT
AAAAACAAGAATGAGCGTGACAAGTTCTTGGGACGTGTTTCGTTCAAAGTCACAGCACGAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG223683 representing NM_007502
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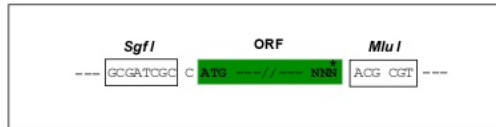
MTKTEKKSFHQSLAEWKLFYINPSSGEFLGRTSKSWGLILLFYLVFYGFLLAALFTFTMWAMLQTLNDEVP
 KYRDQIPSPGLMVFPKPQTALEYTFMSSEPQTYKKLVEDLESFLKPYSVEEQKNLTSCP DGAPFIQHGPD
 YRACQFPVSLLEECSGVTDANFGYSKGQPCILVKMNRIIDLIPDGYPIISCLPKEENATIATYPEFGVLD
 LKYFPYYGKKRHVGYRQPLVAVQVKFDSGLNKKKEVTVECHIAGTRNLKKNKNERDKFLGRVSFKVTARA

TRTRPLE - GFP Tag - V

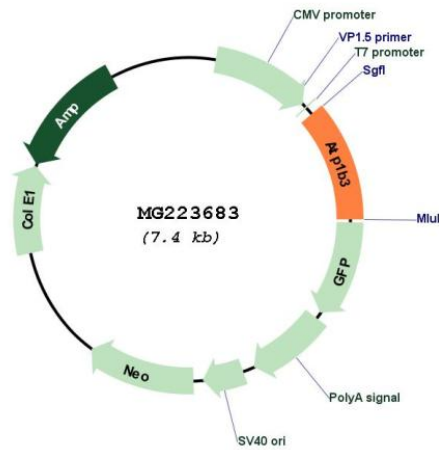
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_007502

ORF Size: 834 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
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_007502.5
RefSeq Size:	1833 bp
RefSeq ORF:	837 bp
Locus ID:	11933
UniProt ID:	P97370
Cytogenetics:	9 50.31 cM
Gene Summary:	This is the non-catalytic component of the active enzyme, which catalyzes the hydrolysis of ATP coupled with the exchange of Na(+) and K(+) ions across the plasma membrane. The exact function of the beta-3 subunit is not known.[UniProtKB/Swiss-Prot Function]