

Product datasheet for **MG215483**

Atpaf1 (NM_181040) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Atpaf1
Synonyms:	6330547J17Rik; AI593252; ATP1I; ATP1Ip
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG215483 representing NM_181040
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGAGCAGGCGCGGGCCGGGGCCGAGGCTGACGCGCCGAGGAGGAGGAGGGGGAGTGCAGGCGG
CCATGGCGGCGGTAGTGTCCGCTGCGGGTGGAGCGTGCCTGCAGGTGGCGGGTCTCTACCG
AGGCTGTGTGAGTGCAGCGCAGCCGCGCCCTGGGGTGGGGTTCGTGTCACCGGCACAGTTGCGCGTGTTC
CCGGTGCCTGGGGCTCGGGCTGCCCCCGAGGGAGCAGACGGCAGTGGGGTCAAGCAGCTGGAAGCGA
ACCCCTTCTACGACCGCTACCGGGACAAGATCCAGCAGCTGCGCAGGTCTGACCCAGCGCCCTTTGAGTC
CCGCTGGAGAAGCGCAGTGTGTTCCGAAAGCAGCCAGTGGGGCACTCCAAACAAAGTATTTTATCAAG
TGTATGGAGCAGAAGACAGATGCCTGGGGAAACAGCCTGTGAGCAAAGGATTCCTAAGGACAAGACTC
TCAGTTCAGTCTTCAACGTTGAGATGGTGAAGACAAAATGCGGAGGAAATAAACAGATTTGGCAGCA
GTATTTTTCAGAAAAGACACAGTCTACGCAATTATTCCTAAAGAGAAGTTGATTTGATCTGGAACAGG
GCTCAGTCTGCCAACATTTCTTTGTGCACTACCAAGAAGGGATGGTTATGAGTCTTTGTAGGACAAT
GGACAGGTACAGAGCTCCACTTCACTGCACTTATAAATATTCAGACCCGAGGGGATGCAGCAGCCAGCCA
GCTGATTTTATATCACTATCCTGAACCTAAGGAAGAAAAGGCATAGTGCTGATGACAGCAGAAATGGAC
TCCACATTTCTGAATGTTGTGGAGGCACAGTGCATCGCCAATCAGGTTTCACTCTTCTACGCCACCGGATC
GGAAGGAGATCTATGGGCTAGTAGAGACCTTTAACTTCAAGCAAAATGAGTTCAAATATATGTCTGTCAT
CGCTGAGTTGGAGCAAAGTGGACTTGGAGCCGAACGAAACGTGCCAGAACAAGATAAGACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG215483 representing NM_181040
Red=Cloning site Green=Tags(s)

MEQARGPGAEDAPEEEEEESQAAMAAVVSAAGGACPAVLQVAGLYRGLCAVRSRALGLGFVSPAQLRVF
 PVRRGSGLPPEGADGSGVSELEANPFYDRYRDKIQQLRRSDPAAFESRLEKRSEFRKQPVGHKQSDFIK
 CMEQKTDALGKQPVSKGFTKDKTLLSSVFNVEMVKDKTAEI KQIQWQQYFSAKDVTYAVIPKEKFDLIWNR
 AQSCPTFLCALPRRDGYEFFVGQWTGTELHFTALINIQTREGDAAAASQLILYHYPELKEEKGIVLMTAEMD
 STFLNVVEAQCIANQVQLFYATRKEIYGLVETFNFRPNEFKYMSVIAELEQSGLGAELKRAQNQDKT

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_181040

ORF Size: 1044 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_181040.5](#)

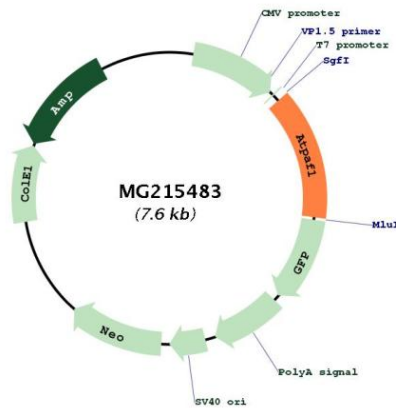
RefSeq Size: 2330 bp

RefSeq ORF: 1047 bp

Locus ID: 230649

Cytogenetics: 4 D1

Product images:



Circular map for MG215483