

Product datasheet for **RG225713**

AP1M1 (NM_001130524) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: AP1M1 (NM_001130524) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: AP1M1
Synonyms: AP47; CLAPM2; CLTNM; MU-1A; mu1A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG225713 representing NM_001130524
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGTCGCCAGCGCCGTCTACGTGCTGGACCTGAAGGGCAAGGTGCTCATCTGCCGAACTACCGTGGCG
 ACGTGGACATGTCAGAGGTGGAGCACTTCATGCCATCCTGATGGAGAAGGAGGAGGGGATGCTGTC
 GCCCATCTGGCCACGGGGGGTCCGTTTCATGTGGATCAAACACAACAACCTGTATCTGGTTGCCACA
 TCCAAGAAGAACGCGTGCCTGCTGCTGTTTCTTTCTCTATAAGGTGGTGCAGGTGTTTTCCGAGT
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 CATGGACTTCGGCTACCCCGAGACCACCGACAGCAAGATCCTGCAGGAGTACATCACTCAGGAAGGCCAC
 AAGCTGGAAACAGGGGCCCGCGGCCACCGCCACCGTCAACACGCGGTGTCCTGGCGGTCCGAAGGCA
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 AGTGGGATGGCTGGGTCACACGGTCAGCGCCAACGGCAATGTCCTGCGCAGCGAGATCGTGGGCTCCATC
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 CTCACACCCACGTCAAGCCTTTGATATGGATCGAGTCGGTATCGAGAAGCACTCCACAGCCGCATCG
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 CGTGCCCAATGATGCCGACTCACCAAGTTCAAGACGACGGTGGGGAGCGTTAAGTGGGTCCCGGAGAAC
 AGCGAGATCGTGTGGTCCATCAAGTCTTCCCGGGCGGCAAGGAGTACCTGATGCGGGCCCACTTCGGCC
 TGCCTAGTGTGGAGGCCAAGACAAGGAGGGCAAGCCCCGATCAGTGTCAAGTTCGAGATCCCTTACTT
 CACTACCTCCGGCATCCAGGTGCGCTACCTGAAGATCATTGAGAAGAGTGGGTACCAGGCCCTGCCCTGG
 GTGCGTTATATCACGCAGAATGGAGATTACCAGCTCCGGACCCAG

ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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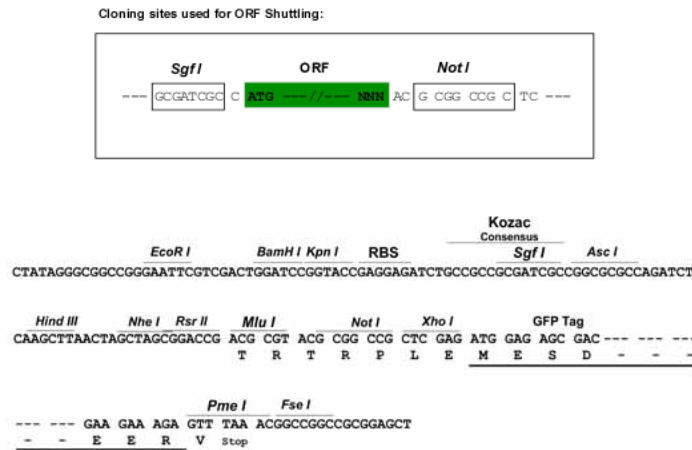
Protein Sequence: >RG225713 representing NM_001130524
 Red=Cloning site Green=Tags(s)

MSASAVYVLDLKGKVLICRNYRGDVMSEVEHFMPILMEKEEEGMLSPILAHGGVRFMWIKHNNLYLVAT
 SKKNACVSLVFSFLYKVVQVFSEYFKELEEEESIRDNFVIIYELDELMDFGYPQTTDSKILQEYITQEGH
 KLETGAPRPPATVTNAVSWRSEGIKYRKNEVFLDVIESVNLLGKYPGVGWLGHVTSANGNVLREIVGSI
 KMRVFLSGMPELRLGLNDKVLFDNTGRGKSKSVELEDVKFHQCVRLSRFENDRTISFIPPDGEFELMSYR
 LNTHVKPLIWIESVIEKHSRRIEYMIKAKSQFKRRSTANNVEIHIPVPNDADSPKFKTTVGSVKWVWV
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 VRYITQNGDYQLRTQ

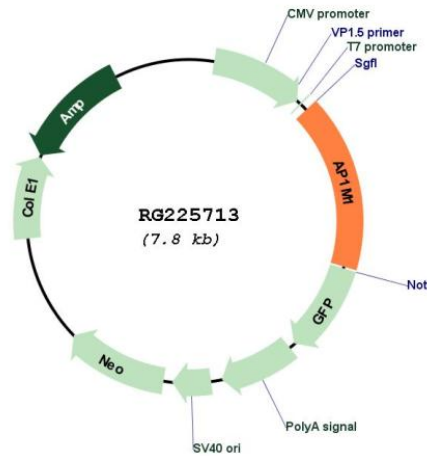
TRPLE - GFP Tag - V

Restriction Sites: SgfI-NotI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001130524

ORF Size:	1305 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_001130524.2
RefSeq Size:	2409 bp
RefSeq ORF:	1308 bp
Locus ID:	8907
UniProt ID:	Q9BXS5
Cytogenetics:	19p13.11
Protein Pathways:	Lysosome
Gene Summary:	The protein encoded by this gene is the medium chain of the trans-Golgi network clathrin-associated protein complex AP-1. The other components of this complex are beta-prime-adaptin, gamma-adaptin, and the small chain AP1S1. This complex is located at the Golgi vesicle and links clathrin to receptors in coated vesicles. These vesicles are involved in endocytosis and Golgi processing. Alternatively spliced transcript variants encoding distinct protein isoforms have been found for this gene. [provided by RefSeq, Jul 2008]