

Product datasheet for **RG202818**

AP1M2 (NM_005498) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AP1M2 (NM_005498) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	AP1M2
Synonyms:	AP1-mu2; HSMU1B; MU-1B; MU1B; mu2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202818 representing NM_005498 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGCCTCGGCTGTCTTCATTCTGGACGTTAAGGGCAAGCCATTGATCAGCCGCAACTACAAGGGCG
ATGTGGCCATGAGCAAGATTGAGCACTTCATGCCTTTGCTGGTACAGCGGGAGGAGGAAGGGCCCTGGC
CCCCTGTGAGCCACGGCCAGGTCCACTTCTATGGATCAAACACAGCAACCTCTACTTGGTGGCCACC
ACATCGAAGAATGCCAATGCCTCCCTGGTGTACTCCTTCTGTATAAGACAATAGAGGTATTCTGCGAAT
ACTTCAAGGAGCTGGAGGAGGAGAGCATCCGGGACAACCTTGTGCATCGTCTACGAGTTGCTGGACGAGCT
CATGGACTTTGGCTTCCCGCAGACCACCGACAGCAAGATCCTGCAGGAGTACATCACTCAGCAGAGCAAC
AAGCTGGAGACGGCAAGTCACGGGTGCCACCCACTGTCACCAACGCTGTGTCCTGGCGCTCCGAGGGTA
TCAAGTATAAGAAGAACGAGGTCTTCATTGATGTCATAGAGTCTGTCAACCTGCTGGTCAATGCCAACGG
CAGCGTCTTCTGAGCGAAATCGTCGGTACCATCAAGCTCAAGGTGTTTCTGTGGGAATGCCAGAGCTG
CGGCTGGGCTCAATGACCGCGTCTCTCGAGCTCACTGGCCTTTCAGGCAGCAAGAACAATCAGTAG
AGCTGGAGGATGTAATAATCCACCAGTGCCTGCGGCTCTCTCGCTTTGACAACGACCGCACCATCTCCT
CATCCCGCTGATGGTGACTTTGAGTCTATGTCATACCGCCTCAGCACCCAGGTCAAGCCACTGATCTGG
ATTGAGTCTGTCAATTGAGAAGTTCTCCACAGCCGCGTGGAGATCATGGTCAAGGCCAAGGGGCAGTTTA
AGAAACAGTCAGTGGCCAACGGTGTGGAGATATCTGTGCCTGTACCCAGCGATGCCGACTCCCCAGATT
CAAGACCAAGTGTGGCAGCGCCAAGTATGTGCCGAGAGAAACGTCGTGATTTGGAGTATTAAGTCTTTC
CCGGGGGCAAGGAGTACTTGTGCGAGCCACTTTGGCCTCCCCGTGTGGAAAAGGAAGGTTGGAGG
GCCGGCCCCCATCGGGTCAAGTTTGTAGATCCCTACTTACCCTCTCTGGGATCCAGTCCGATACAT
GAAGATCATTGAGAAAAGTGTTACCAGGCCCTGCCCTGGGTTTCCTACATCACCCAGAGTGGCGATTAC
CAACTTCGTACCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202818 representing NM_005498
 Red=Cloning site Green=Tags(s)

MSASAVFILDVKGKPLISRNYKGDVAMSKIEHFMPLL VQREEEGALAPLLSHGQVHFLWIKHSNLYLVAT
 TSKNANASLVYSFLYKTIIEVFCEYFKELEESIRDNFVIYVELLDELMDFGFPQTDSKILQEYITQSN
 KLETGKSRVPPTVTNAVSWRSEGIKYKKEVFDVIESVNLLVANGSVLLSEIVGTIKLVFLSGMPEL
 RLGLNDRVLFELTGLSGSKNKSVLEEDVKFHQCVRLSRFDNDRTISFIPPDGDFELMSYRLSTQVKPLIW
 IESVIEKFSHSRVEIMVKAKGQFKQSVANGVEISVPVPSDADSPRFKTSVGS AKYVPERNVVIWSIKSF
 PGGKEYLMRAHFGLPRVEKEEVEGRPPIGVKFEIPYFTVSGIQVRYMKIIEKSGYQALPWVRYITQSGDY
 QLRTS

TRTRPLE - GFP Tag - V

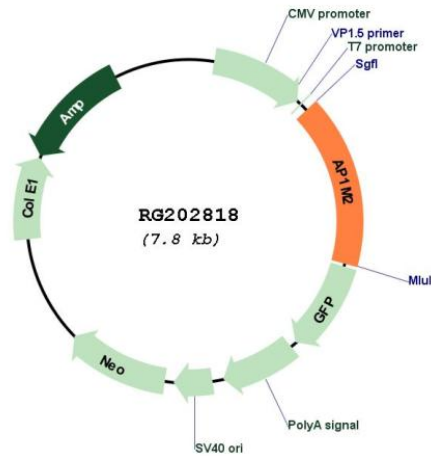
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_005498

ORF Size:	1269 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_005498.3 , NP_005489.2
RefSeq Size:	1749 bp
RefSeq ORF:	1272 bp
Locus ID:	10053
UniProt ID:	Q9Y6Q5
Cytogenetics:	19p13.2
Domains:	Adap_comp_sub
Protein Pathways:	Lysosome
Gene Summary:	This gene encodes a subunit of the heterotetrameric adaptor-related protein complex 1 (AP-1), which belongs to the adaptor complexes medium subunits family. This protein is capable of interacting with tyrosine-based sorting signals. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]