

Product datasheet for **RG213022**

MAK10 (NAA35) (NM_024635) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAK10 (NAA35) (NM_024635) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAK10
Synonyms:	bA379P1.1; EGAP; MAK10; MAK10P
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG213022 representing NM_024635
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGTTTATGAAAGCTTCTGTAGATGATGACGATTCAGGATGGGAGCTCAGTATGCCAGAAAAATGGAGA
 AAAGCAATACAACTGGGTGGACATTACCCAAGATTTTGAAGAAGCTTGTGAGAAATTAAGTTGGGAGA
 ACTACTTCATGATAAGCTATTTGGTCTTTTGAAGCCATGTCTGCTATTGAAATGATGGATCCCAAGATG
 GATGCTGGCATGATTGGAACCAAGTTAATCGAAAAGTTCTCAATTTGAACAAGCTATCAAGGATGGCA
 CTATTAATAATTAAGATCTCACCTTGCCTGAAGTATAGGATTATGGATACATGTTTTGCTGTTTGTAT
 AACGTGGTTAGAAGGCCATTCACTGGCACAGACAGTATTTACGTGCCTTTACATTCATAATCCAGACTTT
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 TCAGCAGAGTGAAATTTACTCGTGTGTTACTGACAGTGCTTATAGCCTTTACTAAGAAAGAGACCAGTGC
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 CCATGAGGTTAATAGAATTTTAAAGTTGCCAAACCACTTTGTGGTTATGAAGTTATTGGCAGGAGGA
 CACAAAAAGGAATCTAAAGTTCCTCCTGAATTTGATTTCTCTGCTCATAAATATTTCTGTTGTGAAAC
 TTGTT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG213022 representing NM_024635
Red=Cloning site Green=Tags(s)

MVMKASVDDDDSGWELSMPEKMEKSNTNWVDITQDFEEACRELKLGELLHDKLFGLFEAMSAIEMMDPKM
DAGMIGNQVNRKVLNFEQAIKDGTIKIKDLTPELIGIMDTFCCLITWLEGHSLAQTVFTCLYIHNPDI
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TRSRQGEERDPEVELEHQQLAVFSRVKFTRVLLTVLIAFTKKETSAVAEAQKLMVQAADLLSAIHNSLH
HGIQAQNDTTKGDHPIMMGFEPLVNQRLLPPTFPYAKIIKREEMVNYFARLIDRIKTVCEVVNLNLHC
ILDFFCFESEQSPCVLSRLLQTTFLVDNKKVFGTHLMQDMVKDALRSFVSPVLSPKCYLYNNHQAKDC
IDSFVTHCVRPFCSLIQIHGHNRRQRDKLGHILEEFATLQDEAEKVDAALHTMLLKQEPQRQHLACLGT
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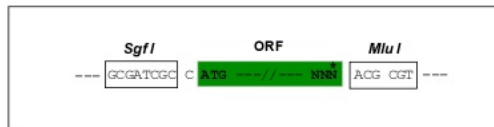
TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



CTATAGGGCGCGCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCCGCGGATCGCCGCGCGCCAGATCT

EcoRI BamHI KpnI RBS Kozac Consensus SgfI AscI

CAAGCTTAAGTAGTAGCGGACCG ACG CGT ACG CGG CCG CTC GAG ATG GAG AGC GAC - - - - -

HindIII NheI RsrII MluI NotI XhoI GFP Tag

T R T R P L E M E S D - - -

--- GAA GAA AGA GTT TAA ACGGCGCGCGGAGCT

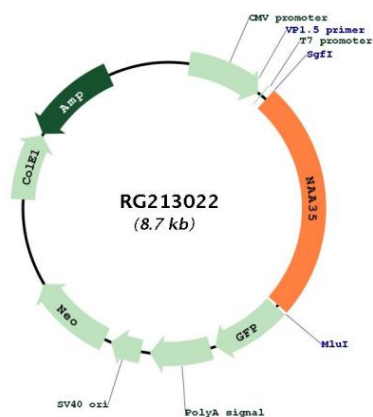
- - E E R V Stop

ACCN: NM_024635

ORF Size: 2175 bp

OTI Disclaimer:	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. 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.
RefSeq:	NM_024635.4
RefSeq Size:	2658 bp
RefSeq ORF:	2178 bp
Locus ID:	60560
UniProt ID:	Q5VZE5
Cytogenetics:	9q21.33
Gene Summary:	Auxillary component of the N-terminal acetyltransferase C (NatC) complex which catalyzes acetylation of N-terminal methionine residues. Involved in regulation of apoptosis and proliferation of smooth muscle cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG213022