

Product datasheet for **RG206969**

MAK16 (NM_032509) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	MAK16
Synonyms:	MAK16L; RBM13
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG206969 representing NM_032509
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCAGTCGGATGATGTTATCTGGGATACACTAGGAAACAAGCAATTTGTTCTTCAAAATAAGAACCA
AGACTCAGAGCTTCTGCCGAAATGAATATAGCCTGACTGGACTGTGTAATCGGTCATCCTGTCCCCTGGC
AAATAGTCAGTATGCCACTATTAAGAAGAGAAAGGACAGTGCTACTTGTATGAAGGTTATAGAACGA
GCGGCTTTTCCTCGCGTCTCTGGGAACGGTCCGGCTTAGTAAAACTATGAGAAAGCACTGGAGCAA
TAGATGAAAATCTGATTTACTGGCCCCGTTTCATTGACACAAATGTAAGCAGAGATTCACCAAGATCAC
CCAATACCTAATTGAATTAGAAACTTACACTAAAGCGACAGAGGAACTTGTTCCTTTGAGTAAGAAG
GTGGAGCGTAGGGAGAAAAGAGAGGAAAAGGCATTAATAGCTGCTCAGCTGGACAATGCCATTGAGA
AGGAATTACTGGAGAGACTGAAACAAGATACGTATGGCGACATCTACAACCTCCCATTCATGCCTTCGA
CAAAGCCCTGGAACAACAGGAGGCAGAGAGTGACTCTTCAGATACTGAGGAAAAAGATGATGATGATGAT
GATGAGGAAGATGTGGGAAAAGAGAATTTGTGCAAGATGGTGAGGTAGATGAGAGTGACATAAGTGATT
TTGAGGATATGGATAAACTGGATGCCAGCAGTGATGAAGATCAGGATGGTAAATCCTCCAGTGAGGAGGA
GGAAGAAAAGGCCCTTAGTGCGAAACACAAAGGCAAAATGCCCTTGAGAGGACCACTGCGGAGAAAACGA
GCCTATGTGGAATAGAATACGAGCAGGAGACAGAGCCCGTGCCAAAGCCAAAACACG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG206969 representing NM_032509

Red=Cloning site Green=Tags(s)

MQSDDIVWDTLGNKQFCFSKIRTKTQSFRCNEYSLTGLCNRSSCLANSQYATIKEEKGCYLYMKVIER
AAFPRLWVRVRLSKNYEKALEQIDENLIYWPRFIRHKCKQRFTKITQYLIRIRKLTLLKRQRKLVLPLSKK
VERREKRREEKALIAAQLDNAIEKELLERLKQDITYGDIYNFPIHAFDKALEQQEASDSDTEKDDDDDD
DEEDVGKREFVEDGEVDESISDFEDMDKLDASDEQDGKSSSEEEEEKALSAKHGKMPLRGPLRRKR
AYVEIEYEQETEPVAKAKTT

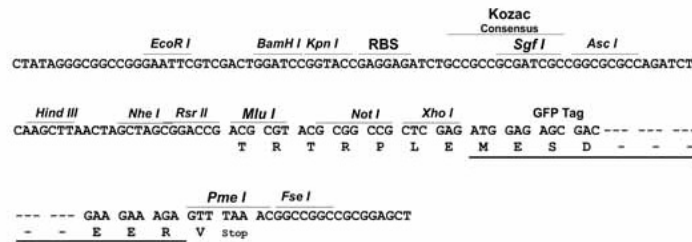
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN:

NM_032509

ORF Size:

900 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_032509.1](#)

RefSeq Size: 3549 bp

RefSeq ORF: 903 bp

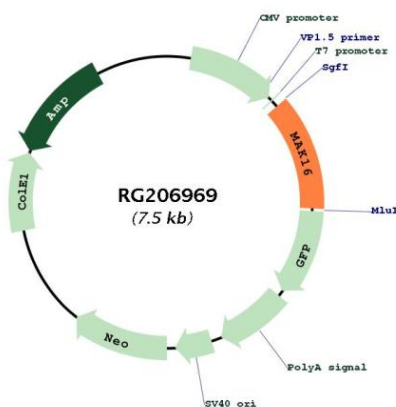
Locus ID: 84549

UniProt ID: [Q9BXY0](#)

Cytogenetics: 8p12

Domains: Mak16

Product images:



Circular map for RG206969