

## Product datasheet for **RG203414**

### MAB21L2 (NM\_006439) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAB21L2 (NM_006439) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAB21L2
Synonyms:	MCOPS14; MCSKS14
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203414 representing NM_006439 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATCGCCGCTCAGGCCAAGCTGGTTTACCAGCTCAATAAGTACTACACTGAGCGCTGTCAGGCGCGCA  
AGGCGGCCATCGCAAACCATCCGAGAGGTCTGTAAGGTGGTCTCGGACGTGCTCAAGGAAGTGGAGGT  
GCAGGAGCCTCGTTTCATCAGCTCCTTGAGCGAGATCGATGCCCGCTACGAGGGGCTCGAGGTCATTTCC  
CCCACCGAATTTGAGGTGGTCTCTACCTAAACCAGATGGGCGTCTTCAACTTCGTGGACGACGGCTCGC  
TGCCCGGCTGCGCAGTGTCAAACCTGAGCGATGGGCGGAAGCGGAGCATGTCTCTGGGTGCGATTTCAT  
CAGGGCGTCGGGCTATCTCTCAGCGCGTAAGATCCGCTCGGTTTCCAGACGCTGGTGGCCAGGCGGTG  
GACAAGTGCAGCTATCGGGATGTGGTCAAGATGATCGCGGACACCAGCGAGGTCAAGTTGCGCATCAGGG  
AGCGCTATGTGGTGCAAATCACTCCGGCGTTCAAGTGCACCGGGATCTGGCCTCGCAGCGCGGCACAGTG  
GCCTATGCCCCACATCCCTTGGCCCGGCCCAATCGGGTGGCCGAGGTCAAGGCCGAAGGGTTCAACTTG  
CTCTCGAAGGAGTGTACTCGCTGACCGGCAAGCAGAGCTCGGCAGAGAGCGACGCTGGGTGCTACAGT  
TCGGGGAGGCGGAGAACCGCCTGCTGATGGGCGGCTGCCGAAACAAGTGCCTCTCAGTGTGAAGACTCT  
GCGGGACCGCCACCTGGAGCTACCCGGCCAGCCGCTCAACAACCTACCACATGAAGACGCTGCTGTGTAC  
GAGTGCAGAGAAACACCCACGAGAAACGGACTGGGACGAGTGTGCTGGGCGACCGGCTCAACGGCATCC  
TGCTGCAGCTCATCTCCTGCCTGCAGTGCAGCGCCGCTGCCCTCACTACTTTCTGCCAACCTCGACCTCTT  
TCAGGGCAAGCCCCATTGCGCCCTGGAGAGCGCTGCCAAGCAGACCTGGAGGTTGGCCAGGAAATTTCT  
ACCAATCCAAAAGCCTGGACAACTA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG203414 representing NM\_006439  
 Red=Cloning site Green=Tags(s)

MIAAQAKLVYQLNKYYTERCQARKAAIAKTIREVCKVVSVDLKEVEVQEPRFISSLSEIDARYEGLEVIS  
 PTEFEVVLVLNQMVFNFVDDGSLPGCAVLKLSGGRKRSMSLWVEFITASGYLSARKIRSRFQTLVAQAV  
 DKCSYRDVVKMIADTSEVKLRIRERYVVQITPAFKCTGIWPRSAAQWMPHIPWPGPNRVAEVKAEGFNL  
 LSKECYSLTGKQSSAESDAWVLQFGEAENRLLMGGCRNKCLSVLKLTLRDRHLELPGQPLNNYHMKLLLLY  
 ECEKHPRETDWDESLGDRLNGILLQLISCLQCRRCPHYFLPNLDFLQGKPHSALESAAKQTWRLAREIL  
 TNPKSLDKL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_006439

**ORF Size:** 1077 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.

**RefSeq:** [NM\\_006439.5](#)

**RefSeq Size:** 2618 bp

**RefSeq ORF:** 1080 bp

**Locus ID:** 10586

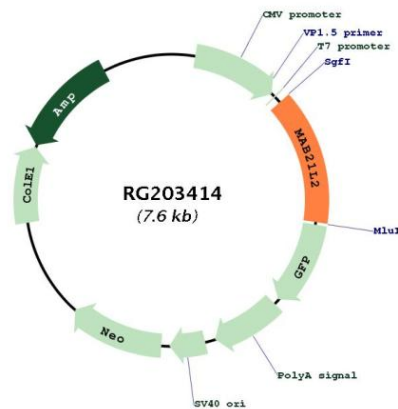
**UniProt ID:** [Q9Y586](#)

**Cytogenetics:** 4q31.3

**Domains:** Mab-21

**Gene Summary:** This gene is similar to the *C. elegans* MAB-21 cell fate-determining gene, a downstream target of transforming growth factor-beta signaling. It is thought that this gene may be involved in neural development. The protein encoded by this gene is primarily nuclear, although some cytoplasmic localization has been observed. [provided by RefSeq, Jul 2008]

## Product images:



Circular map for RG203414