

Product datasheet for **RG207010**

MAB21L1 (NM_005584) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	MAB21L1
Synonyms:	CAGR1; COFG; Nbla00126
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG207010 representing NM_005584
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATTGCGGCCAGGCCAAGCTGGTCTACCATCTGAATAAATACTACAACGAAAAATGCCAAGCCAGGA
AAGCTGCCATTGCCAAACTATCCGGGAAGTCTGCAAAGTAGTTTCCGACGTACTGAAGGAAGTGGAAAGT
GCAGGAGCCGCGGTTTCATCAGCTCTCTCAACGAGATGGACAATCGCTACGAGGGCCTCGAGGTCTCTCC
CCCACCGAATTTGAAGTGGTGCTTTATCTCAACCAATGGGGGTGTTCAACTTCGTGGACGATGGCTCAC
TGCCCGGCTGCGCGGTGCTGAAGTTGAGCGACGGGCGCAAGAGGAGCATGTCCCTCTGGGTGGAATTCAT
TACCGCTCCGGCTACCTCTCGGCGCGCAAAATCCGGTCCAGGTTTCAGACGCTGGTGGCTCAAGCGGTA
GACAAATGTAGTACCGGGATGTGGTAAAGATGGTGGCAGACACCAGCAAGTGAAACTGAGAATCCGAG
ATAGGTACGTGGTGCAGATCACGCCGCCCTTTAAATGCACCGGGATCTGGCCGAGGAGTCTGCCCACTG
GCCACTTCCCACATCCCCTGGCCGGGACCAACCGGGTGGCGGAGGTCAAGGCGGAAGGTTTCAATCTC
TTGTCCAAGGAGTGCCACTCCTTGGCCGGCAAGCAGAGCTCGGCGGAGAGCGACGCCTGGGTGCTGCAGT
TCGCGGAGGCAGAGAACAGACTGCAGATGGGGGGCTGCAGAAAGAAGTGCCCTCTCCATCCTCAAAACCTT
AAGGGATCGTCACCTTGAAGTCCCGGGCCAGCCCTTGAACAATTACCATATGAAGACTCTGGTTTCCTAC
GAGTGTGAAAAGCATCCCCGAGAGTCGGACTGGGACGAGTCTTGCTGGGTGATCGGCTGAACGGGATTT
TGCTGCAACTTATCTCCTGCAGTGCCGGCGGTGTCCCACTACTTTCTACCGAACTTAGATCTGTT
TCAAGGCAACCTCACTCAGCTCTGAAAAACGCTGCCAAACAACGTGGCGACTGGCAAGAGAGATCCTG
ACCAACCCGAAAAGTTTGAAAACTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



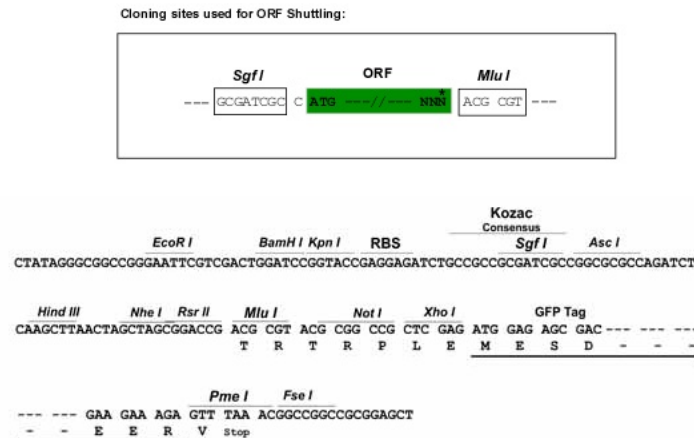
Protein Sequence: >RG207010 representing NM_005584
Red=Cloning site Green=Tags(s)

MIAAQAKLVYHLNKYYNEKQARKAAIAKTIREVCKVSDVLKEVEVQEPRFISLNMEDNRYEGLEVIS
PTEFEVVLNLNQMVGVFNFVDDGSLPGCAVLKLSGKRKMSLWVEFITASGYLSARKIRSRTLVQAQAV
DKCSYRDVVKMVA DTSEVKLRIRDYVVQITPAFKCTGIWPRSAHWLPHIPWPGPNRVAEVKAEGFNL
LSKECHSLAGKQSSAESDAWVLQFAEAENRLQMGGRKKCLSLKTLRDRHLELPGQPLNNYHMKTLVSY
ECEKHPRESDWDESLGDRLNGILLQLISCLQCRRCPHYFLPNLDFQGKPHSALENAAKQTWRLAREIL
TNPKSLEKL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_005584

ORF Size: 1077 bp

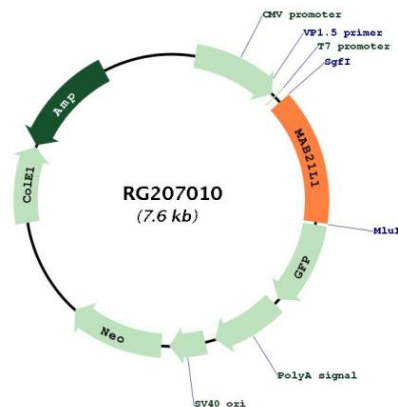
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_005584.5</u>
RefSeq Size:	2465 bp
RefSeq ORF:	1080 bp
Locus ID:	4081
UniProt ID:	<u>Q13394</u>
Cytogenetics:	13q13.3
Domains:	Mab-21
Gene Summary:	This gene is similar to the MAB-21 cell fate-determining gene found in <i>C. elegans</i>. It may be involved in eye and cerebellum development, and it has been proposed that expansion of a trinucleotide repeat region in the 5' UTR may play a role in a variety of psychiatric disorders. [provided by RefSeq, Oct 2008]

Product images:



Circular map for RG207010