

## Product datasheet for **RG220368**

### MAB21L4 (NM\_024861) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MAB21L4 (NM\_024861) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** MAB21L4  
**Synonyms:** C2orf54  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG220368 representing NM\_024861  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACACAGGTTTCGCTGAACGCGGCCAGCCTGAGGGAGGAGCAGCTCCACCTGTCCTTGCTGGTGTCCA  
 GCGGCTGGAGAACAATCAGCTTCCACGTGGTGCCCGTGGTGAGAAGGAAGCTTGGGGCGCCTGCCCTGGA  
 GGGGTGCAGCAGATGCCCGGATTCCCTGAGGGCAGCTTGAAGGATCCTCAGCCAAGGGTGGACCTG  
 GTGCCGGCCAGCGCCAGCTCTGGAGGACCTCCACTGACTACCTGCTCACGAGGCTGCTGGGGAGCTGG  
 GCTCCCTGCAGGGTCATCGCCTGGACAGCCTCTCCATCCTCGACCGGGTCAACCACGAGAGCTGGCGTGA  
 CAGTGGCCAGACTGACGGCCTGACCTTTGGCCACCTGAAGATGGTGTGCTGTGGGCCTCTGTGCTTTC  
 CTGGCGCCCGAGGACTGGGCAGAACTGCAGGGCGCCGTGTACCGCCTGCTGGTGGTGTGCTCTGTTGCC  
 TGGCCACGCGGAAGCTGCCCACTTCTCCACCCGAGCGCAACCTGCTGCAGGGCAGCGGCCTGGACCT  
 TGGTGCCATCTACCAGCGCGTGGAGGGCTTCGCCAGCCAGCCGAGGGCGGCCCTGCGCATCCACGCCACC  
 CACTGGGCCGAGCCCCCGCCGCGCATCGGCTCCGGGCTCAAGGCGCTCCTGCAGTGCCAGCCAGTG  
 ACCCACTTACTGGGCCACTGCCTACTTCGACGTCCTGCTGGACAAGTTCAGGTCTTCAACATCCAGGA  
 TAAGACCGGATCTCTGCCATGCAGAGCATCTTCCAGAAGACCAGGACTCTGGGAGGCGAGGAGAGC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >RG220368 representing NM\_024861  
 Red=Cloning site Green=Tags(s)

MDTGSLNAASLREEQLHLSLLVSSGWRITSFHVVPVRRKLGAPALEGVQQMPGFPEGSLRRILSQVDL  
 VPASAQLWRTSTDYLLTRLLGELGSLQGHRLDSLILDRVNHESWRDSGQTDGLTFGHLKMVLLWASVLF  
 LAPEDWAELQGAVYRLLVLLCLATRKLPFLHPQRNLLQGSGLDLGAIYQVEGFASQPEAALRIHAT  
 HLGSRPPPRIIGSLKALLQLPASDPTYWATAYFDVLLDKFQVFNIQDKDRI SAMQSIFQKTRTLGGEEES

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_024861

**ORF Size:** 837 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\\_024861.4](#)

**RefSeq Size:** 1958 bp

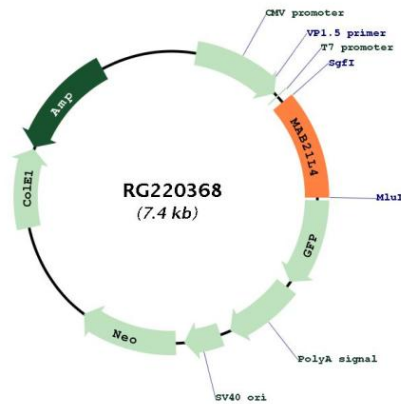
**RefSeq ORF:** 840 bp

**Locus ID:** 79919

**UniProt ID:** [Q08A18](#)

**Cytogenetics:** 2q37.3

**Product images:**



Circular map for RG220368