

Product datasheet for **RG217974**

MAB21L3 (NM_152367) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAB21L3 (NM_152367) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAB21L3
Synonyms:	C1orf161
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG217974 representing NM_152367 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAATACCTTACTGTGGGAGACTTAGAAGATTGCCTACTGAATAAGGTGGACTTGAGGCGCCAGCAGA
TTTCCCAGGCTGTGGAGGAGGTGCAGAAAGTCGTTTCATCATTTGACCACAAACATCAGCAACCAAGACAT
TAGATTTCAAGCTGTGCCTTACTCTGACACGTACAATGAAAATATTAAGGTTTTGGCTCCAGTCAGTTC
CTCGTCACAGTCCCAATAAAAGGCTGGCCGGTACAGGGAGGCCAGGGAGCAGCACTGGCGGTACTACA
CACTGCAGGGCACCAGGCTGCCCTGCCCGTTGCGGGACCCTGAGGGTCTGCAGCAGTGGCTGGAGGTGGA
ACAGTTTTATGAAGAGCCTGTGGCAGTGGCATGAGACAGATGTGAACATCGACGGAGACATTGTGCCTGCC
AAGGTCCTCCTAGTGTTCCGGAAGCTGGTGGAAAATGCAGTTAGAACCTGTCACCTCTCAGGTAAGGTCA
GCCTGCTAGGAAACCGCTCTGCAGTTTGGGTTGCTGTGGAACATCTGCATATCAGGTGGAACCTGGAGCT
GGTCCCGCAGTGGAGATCCCCACCACCTGGTCCAAGAAAGCCCGGTGGCCTCGATGTCTGCAGCGCTGG
CCTTCCAAGAGAGAGTGGAGTGCATCAAGTCGTTTGGTTTAACTTGTTGGCCTGTTCAAATTACT
GGCAGCTGAGCTTCTCCGTGCTGAGCAGGTGTTACTGGAACAGCTGGATGAAGATGGGGCTGCCGTAG
GAAGTGTTCAGGTCATGAGGCACCTGAAGGAGGACATCTGGTGCCAGGGAACAGGCCGTTATCAGC
TCCCACCATCTGCAGACTGTGCTTTTTGGACCTGCGAGAAATATCCCCACTTTAAAGACTGGCAGGTCT
TCAGCAAAGCATTCTGCGCCTGGTGGGAAACTGCACAAGTGCCTGAGCCAGCACTTCTGAAACACTA
TTTCGTCCGGAACAGCAACCTCTTTCAAGTGCACCAACCCGACTGAACTGGACACTGTGGCCAAAAGCTG
GCCACCTCTGAAGAACCCCCAGATCGGCCCGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG217974 representing NM_152367
 Red=Cloning site Green=Tags(s)

MKYLTVGDLEDCLLNKVDLRRQQISQAVEEVQKVVHLLTTNISNQDIRFQAVPYSDTYNENIKVLAPSQF
 LVTVPKGLAGYREAREQHWRYTTLQGTRLPCPLRDPEGLQQWLEVEQFMKSLWQWHETDVIDGDIVPA
 KVLLVFRKLVENAVRTCHLSGKVSLLGNRSVAVWVAVETSAYQVELELVP AVEIPTTWSKKARWPRCLQRW
 PSQERVECTIKSFGFNLLACSNYHWQLSFLRAEQVLLLEQLDEDGGCRRKCFQVMRHLKEDIWCPGNRPVIT
 SHHLQTVLFWTCEKYPHFKDWQVFSKAFLRLVRKLVKCVSQHFLKHYFVRNSNLFQCTNPTELDTV AQKL
 ATFLKNPQIGPP

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152367

ORF Size: 1086 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_152367.1](#), [NP_689580.1](#)

RefSeq Size: 3229 bp

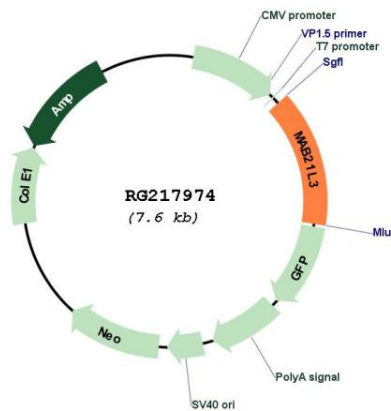
RefSeq ORF: 1089 bp

Locus ID: 126868

UniProt ID: [Q8N8X9](#)

Cytogenetics: 1p13.1

Product images:



Circular map for RG217974