

Product datasheet for **MG206842**

Mab21I3 (NM_172295) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mab21I3 (NM_172295) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Mab21I3
Synonyms: MGC47256
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG206842 representing NM_172295
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGATGAATTCCTCCATGCTGAAAGGAAAAGTGCAGTGAGCAGGCAAGAAGAAGCCAAGTCTCTG
GTCCACGTTTACAATCCAGAGAAGTTTATCCAGAGAGTAACGTTGCTGGGAAAGCTACCCACCAGATT
TGTCCTCCATCGGAAAGAAAGCAGAAGGTTGCTGCTATACTGGGGTTGACCAAGAAGCCATGAAGTCT
CTTCCAGAGGGAGACTTAGACCATTGCCTGCTGAGCAAGGTGGACCTGAGGCGGCAGCAGATTTCTCAGA
CCATGGAGGAGGTGCAGAAAATCATCCACCTGCTAACCACAGAAATCAGCCGCCAGGACAGTCGTTTCGA
AGCCGTGCCTGTCTCTGACACACAACGAGAGCATTAAAGTTTTGGCCCCAGCCTCTCCATGTCACC
GTCCCACTGAAAGGCCTTGCAGGTACAAGGGGTCCAGAGGCAGCGCTGGCGGTACTACAATGTGCAGG
GCGCAAGCTCACCTGCCTCTGCGGGACCCCAAGGCCTGCAACAGTGGCTGGAGACTGAGATGTTTCAT
GAAGACCTGTGGCAGTGGCACAAGGCAGATGTGAACATTGAGGGGGACATTGTGCCAGCCAAAGTCCTG
CAGTTGTTCCGGACGCTGGTGGAAAATGCAGTGAGAACCTGTACCTCTCAGGCAAAGTCACTGTGCTAG
AAAAACGCACTACGTTTGGGTTGCCATGGAACGTCCACAGGCCAGGTGGAGCTGGAGCTGGCCCCAC
CGTGGAGATCCCCACCACCTGGCCTGAGAAAGCCAGTGGCCTCGGTGTCTGAAGCGATGGCCTTCCCCA
GAGAGAGTGGAGTGCATCAAGTCTTTGGGTTAACTTGGTGGCCAGTCCGCCTATCACTGGCAGCTGA
GTTTCTCCAGGCAGAGCAGGTGCTGTTTGAGCAGCTGGACGAGGATGGAGGCTGCCGAGGCAATGCTT
TCAGGTCTGAGGCAGCTGAAGGAGGATGTGTGGTGTCCAGGAGGAGGCCAGTCATCACCACCCACCAC
CTGCAGACCGTCTCTTCTGGACTTGTGAGAAATACCCACCTCAAGGATTGGCAGGTCTTCCATCAAG
CCCTCCTGCACCTTGCCGAAGCTGCACAGGTGTGTGAGCCAGCACTTCTGAAGCACTATTTTGTTC
AAAGAGCAACCTCCTCAGTCAGCTAACCAAGCGAGCTGGATGCGGTGGCCAGAAAGTGGCCTTTTTC
CTAAGAACCAGGTTGAGCTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206842 representing NM_172295
 Red=Cloning site Green=Tags(s)

MADEFFHAGKENCSEQARRSQVSGPRSQFQRSFIQRVTLGKLPTRFVLHREKQKVAAILGVDQEAMKS
 LPEGDLHDCLL SKVDLRRQQISQTMEEVQKIIHLLTTEISRQDSRFEAVPVSDTHNESIKVLAPSLFHVT
 VPLKGLAGYKGVQRQRWRYYNVQGAKLTCPLRDPEGLQQWLETEMFMKTLWQWHKADVNIIEGDIVPAKVL
 QLFRTLVENAVRTC H LSGKVTVLEKRTT VVWAMETSTGQVELELAPTVEIPTTWPEKAQWPRCLKRWPS
 ERVECIKSF GFNLVAQSA YHWQLSFSQAEQVLFELQDDEGGCRRQCFQVLRQLKEDVWCPGRRPVITTHH
 LQTVLFWTCEKYPHLKDQVVFHQALLHLVRKLRHCVSQHFLKHVFVPSNLLQSANPSELDAVAQKVAFF
 LKNPQVELP

TRTRPLE - GFP Tag - V

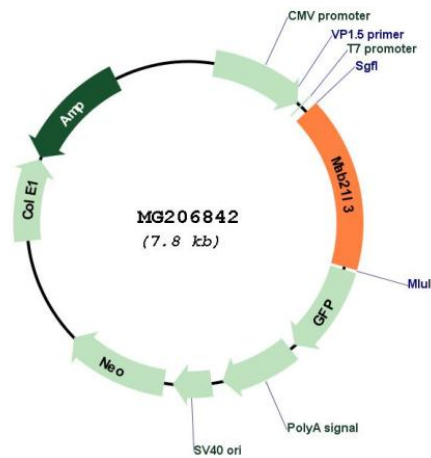
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_172295

ORF Size:	1287 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:	<ol style="list-style-type: none">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_172295.1
RefSeq Size:	3297 bp
RefSeq ORF:	1290 bp
Locus ID:	242125
UniProt ID:	Q8CI17
Cytogenetics:	3 F2.2