

Product datasheet for **RR210154**

Mab21I3 (NM_001106456) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mab21I3 (NM_001106456) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mab21I3
Synonyms: RGD1308694
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR210154 representing NM_001106456
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGATGAACTCTCCCGTGTGGGAAGGAGACCTGCAGTGAGCAGGTGAGAAGAAGCCACGTCTCTG
 GTCCATGCTCGCAGTTCAGAGACGTTTCATCCAGAGAGTATCATTGCTGAGGAAGCTCCCCTAGATT
 TGTCTCCATCCAGAAAGGAAACAGAAGTTGCTGCTCTCCAGGGAATGACCAAGAAGCCATGAAGTGT
 CTTCAGAGGGAGACTTAGACCATTGTCTACTGAGTAAGATGGACCTGAGGCAACAGCAGATTTCTCAGA
 CAGTGGAAAGAGGTACAGAAAATCGTCCACCTTCTGACTACAGAAAATCAGCCACCACGACAGTCGATTCTGA
 AGCAGTACCTGCCTCTGACACATACAATGACAGCATTAAAGTTTTGGCCCCAGCCTCTCCACGTCCT
 GTCCCCTGAGAGGCCTCGCAGGGTACAAGGGGTCCGGACACCACGCTGGAGATACTACAGTTGCAAG
 GCACCAAGCTCTCCTGCCCTCTGCGGGACCCGAGGGCTGCAACAATGGCTGGAGACTGAGACGTTTCAT
 GAAGACCCTCTGGCAATGGCACAAGGTGGACGTGAACATTGAGGGGGACATTGTGCCAGCCAAAGTCCTC
 CAGATATCCAGATGCTGGTGGAAAATGCCGTGAGAACCTGCACCTCTCAGGCAAAGTCACTGTGCTAG
 AAAAACGCACTACTGTTGGGTTGCTGTGAAACGTCCACAGCCAGGTAGAAGTGGAGCTGGCCCCCAC
 TGTGGAGATCCCCACCACCTGGCCTGAGAAAGCCAGTGGCCTCGGTGCTGAAGCGGTGGCCTTCCCCA
 GAGAGAGTGGAGTGCATCAAGTCAATTTGGGTTAACTTGGTGGCCAGTCCACCTATCACTGGCAGCTGA
 GCTTCTCCAGGCAGAGCGGGTGTGTGTGAGCAGCTGGATGAAGATGGAGGCTGCCGAGGCGGTGTTT
 TCAGGTCTGAGGCAGCTGAAGGAGGATGTGTGGTGTCCAGGGAGGAGCCGGTTCATCACCACCCACCAC
 CTGCAGACCGTCTTCTGGACTTGTGAGAAATACCCCCACCTCAAGGACTGGCAGGTCTTCCACCAAG
 CGTTCCTGCGCCTCGTCCGAAGCTGCACAGATGCGTGAGCCAGCACTTCTGAAGCACTACTTTGTTC
 AAAGAGCAACCTTTTCAGTCAGCTAACCAAGTGAAGTGGATGCTGTGGCCAGAAAGTGGCCTTCTTC
 CTAAGAATCCACAGCTCGAGTGCCC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RR210154 representing NM_001106456
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MADELSRVGKETCSEQVRRSHVSGPCSQFQRRFIQRVSLRLKLPTRFVLHPERKQKVAALPGNDQEAMKC
 LPEGDLHDCLL SKMDLRQQQISQTVEEVQKIVHLLTTEISHHDSRFEAVPASDTYNDSIKVLAPSLFHVT
 VPLRGLAGYKGVTRPRWRYSLQGTKLSCPLRDPEGLQQWLETETFMKTWQWHKVDVNIEGDIVPAKVL
 QIFQMLVENAVRTCHLSGKVTVLEKRTTVWAVAVETSTGQVELELAPTVEIPTTWPEKAQWPRCLKRWPSP
 ERVECIKSFGFNLVAQSTYHWQLSFQAERVLCEQLDEDGGCRRRCFQVLRQLKEDVWCPGRRPVITTHH
 LQTVLFWTCEKYPHLKDQVVFHQAFRLRVRKLRHCVSQHFLKHYFVPSNLFQSANPSELDAVAQKVAFF
 LKNPQLELP

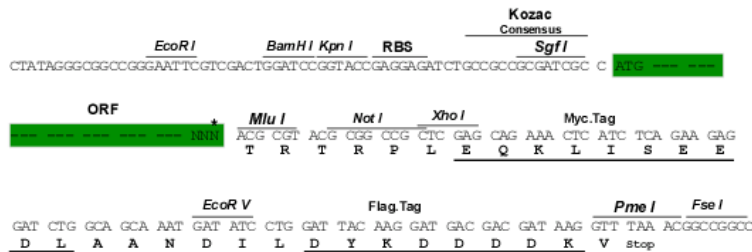
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

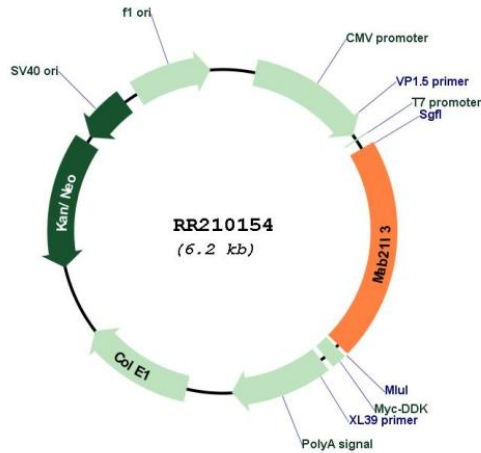
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:

NM_001106456

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_001106456.1 , NP_001099926.1
RefSeq Size:	3926 bp
RefSeq ORF:	1290 bp
Locus ID:	295326
Cytogenetics:	2q34
MW:	49.8 kDa