

Product datasheet for **RG234178**

MINA53 (MINA) (NM_001261829) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MINA53 (MINA) (NM_001261829) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MINA53
Synonyms:	JMJD10; MDIG; MINA; MINA53; NO52; ROX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234178 representing NM_001261829
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCAAAGAAAGCAAAGCCTACAGGGAGTGGGAAGGAAGAGGGCCGGCTCCCTGTAAGCAGATGAAGT
 TAGAAGCAGCTGGGGGGCCTTCAGCTTTAACTTTGACAGTCCCAGTAGTCTCTTTGAAAGTTAATCTC
 GCCCATCAAGACAGAGACTTTTTTCAAGGAATTCTGGGAGCAGAAGCCCTTCTCATTGAGAGAGATGAC
 CCTGCACTGGCCACATACTATGGGTCCCTGTTCAAGCTAACAGATCTGAAGAGTCTGTGCAGCCGGGGGA
 TGTACTATGGAAGAGATGTGAATGTCTGCCGTGTGTCAATGGGAAGAAGAAGGTTTTAAATAAAGATGG
 CAAAGCACACTTTCTTCAGCTGAGAAAAGATTTTGATCAGAAAAGGGCAACGATTCAGTTTCACCAACCT
 CAGAGATTTAAGGATGAGCTTTGGAGGATCCAGGAGAAGCTGGAATGTTACTTTGGCTCCTTGGTTGGCT
 CGAATGTGTACATAACTCCCGCAGGATCTCAGGGCCTGCCGCCCATATGATGATGTCGAGGTTTTTCAT
 CCTGCAGCTGGAGGGAGAGAAACTGGCGCCTCTACCACCCACTGTGCCCTGGCAGCAGAGTACAGC
 GTGGAGGCCGAGGAAAGGATCGGCAGGCCGGTGCATGAGTTTATGCTGAAGCCGGGTGATTTGTTGTACT
 TTCCCAGAGGAACCATTCATCAAGCGGACACTCCTGCGGGGCTGGCCCACTCTACTCACGTGACCATCAG
 CACCTACCAGAACAATTCATGGGAGATTTCTTTTGGATACCATCTCGGGGCTTGATTTGATACTGCA
 AAGGAAGACGTGGAGTTACGGACCGGCATACCCCGGCAGCTGCTCCTGGTGAATCCACAACCTGTTGCTA
 CAAGACGATTAAGTGGCTTCTGAGGACACTTGCAGACCGGCTGGAGGGCACCAAGAAGCTGTTTCCTC
 AGACATGAAGAAGGATTTTATTATGCACAGACTCCCCCTTACTCTGCGGGAGATGGGGCAGAGCTGTCA
 ACACCAAGTGGAAAGTTACCGAGGCTGGACAGTGTAGTGAGACTGCAGTTTAAAGACCACATTGTCCTCA
 CAGTACTGCCGGATCAAGATCAATCTGATGAAGCTCAAGAAAAGATGGTGTACATCTATCATTCTTAA
 GAATAGTAGAGAGACACACATGATGGGAAATGAGGAGGAAACAGAGTTTCATGGACTTCGCTTCCCTTTG
 TCACATTTGGATGCACTGAAGCAAATTTGGAATAGTCCAGCTATTTCTGTCAAGGACCTGAACTTACTA
 CAGATGAGGAAAAGGAAAGCCTGGTATTATCCCTCTGGACAGAATGTTTAATTCAAGTAGTC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

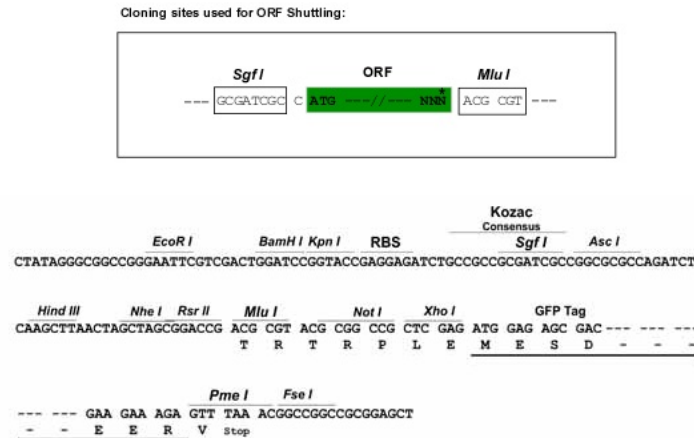
>RG234178 representing NM_001261829
 Red=Cloning site Green=Tags(s)

MPKKAKPTGSGKEEGPAPCKQMKLEAAGGPSALNFDSPSSLFESLISPIKTETFFKEFWQKPLLIQRDD
 PALATYYGSLFKLTDLKSLCSRGMYYGRDVNVCRVNGKKVNLNDGKAHFLQLRKDFDQKRATIQFHQP
 QRFKDELWRIQEKLECYFGLVGSNVYITPAGSQGLPPHYDDVEVFILQLEGEKHWRLYHPTVPLAREYS
 VEAERIGRPVHEFMLKPGDLLYFPRGTIHQADTPAGLAHSTHVTISTYQNNSWGDFLLDTISGLVFDTA
 KEDVELRTGIPRQLLLVESTTVATRRLSGFLRTLADRLEGTKELLSSDMKKDFIMHRLPPYSAGDGAELS
 TPGGKLPRLDSVRLQFKDHIVLTVLPDQDQSDAQEKMYIYHSLKNSRETHMMGNEEETEFHGLRFP
 SHLDALKQIWNSPAISVKDLKLTDEEKESLVLSLWTECLIQV

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001261829

ORF Size: 1392 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_001261829.1](#), [NP_001248758.1](#)

RefSeq Size: 4872 bp

RefSeq ORF: 1395 bp

Locus ID: 84864

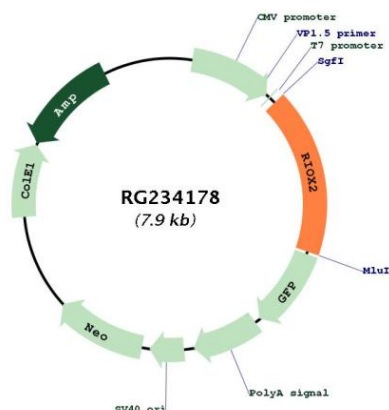
UniProt ID: [Q8IUF8](#)

Cytogenetics: 3q11.2

Protein Families: Druggable Genome

Gene Summary: MINA is a c-Myc (MYC; MIM 190080) target gene that may play a role in cell proliferation or regulation of cell growth. (Tsuneoka et al., 2002 [PubMed 12091391]; Zhang et al., 2005 [PubMed 15897898]).[supplied by OMIM, May 2008]

Product images:



Circular map for RG234178