

Product datasheet for **SC103492**

MINA53 (MINA) (NM_032778) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MINA53 (MINA) (NM_032778) Human Untagged Clone
Tag:	Tag Free
Symbol:	MINA53
Synonyms:	JMJD10; MDIG; MINA; MINA53; NO52; ROX
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC103492 sequence for NM_032778 edited (data generated by NextGen Sequencing)

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ATGCCAAAGAAAGCAAAGCCTACAGGGAGTGGGAAGGAAGAGGGGCCGGCTCCCTGTAAG
CAGATGAAGTTAGAAGCAGCTGGGGGCCCTTCAGCTTTAACTTTGACAGTCCCAGTAGT
CTCTTTGAAAGTTAATCTCGCCCATCAAGACAGAGACTTTTTCAAGGAATTCTGGGAG
CAGAAGCCCCTTCTCATTAGAGAGATGACCCTGCACTGGCCACATACTATGGGTCCCTG
TTCAAGCTAACAGATCTGAAGAGTCTGTGCAGCCGGGGATGTACTATGGAAGAGATGTG
AATGTCTGCCGGTGTGTCAATGGGAAGAAGAAGGTTTTAAATAAAGATGGCAAAGCACAC
TTTCTTCAGCTGAGAAAAGATTTTGATCAGAAAAGGGCAACGATTTCAGTTTCACCAACCT
CAGAGATTTAAGGATGAGCTTTGGAGGATCCAGGAGAAGCTGGAATGTTACTTTGGCTCC
TTGGTTGGCTCGAATGTGTACATAACTCCCGCAGGATCTCAGGGCCTGCCGCCCATAT
GATGATGTCGAGGTTTTATCCTGCAGCTGGAGGGAGAGAAACTGGCGCCTCTACCAC
CCCACTGTGCCCTGGCACGAGAGTACAGCGTGGAGGCCGAGGAAAGGATCGGCAGGCCG
GTGCATGAGTTTATGCTGAAGCCGGTAATTTGTTGTACTTTCCAGAGGAACCATTCAT
CAAGCGGACACTCTGCGGGCTGGCCCACTCGACTCACGTGACCATCAGCACCTACCAG
AACAAATTCATGGGAGATTTCTTTTGGATACCATCTCGGGGCTGTATTGATACTGCA
AAGGAAGACGTGGAGTTACGGACCGCATACCCCGGCAGCTGCTCCTGGTGAATCCACA
ACTGTTGCTACAAGACGATTAAGTGGCTTCTGAGGACACTTGCAGACCGGCTGGAGGGC
ACCAAAGAACTGCTTTCTCAGACATGAAGAAGGATTTTATTATGCACAGACTCCCCCT
TACTCTGCGGGAGATGGGGCAGAGCTGTCAACACCAGGTGGAAGTTACCGAGGCTGGAC
AGTGATGTGAGACTGCAGTTTAAAGACCACATTGCTCTCAGTACTGCCGGATCAAGAT
CAATCTGATGAACTCAAGAAAAGATGGGTACATCTATCATTCTTAAGAATAGTAGA
GAGACACACATGATGGGAAATGAGGAGGAAACAGAGTTTCATGGACTTCGCTTCCCTTTG
TCACATTTGGATGCACTGAAGCAAATTTGGAATAGTCCAGCTATTCTGTCAAGGACCTG
AAACTTACTACAGATGAGGAAAAGGAAAGCCTGGTATTATCCCTCTGGACAGAATGTTTA
ATTCAAGTAGTCTAG
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Clone variation with respect to NM_032778.4
688 g=>a;753 t=>g;1153 g=>a

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_032778 unedited

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GCAGCATTTGTAATACGATTTACTATAGGGCGGCCGCAATTCGCACGAGCTGCGCCGC
ACGCAGTGGGCTCGCGGCCGCGAGCAACAGGCCGTGCCGGGTTTGCAATTCCTTACTGCT
TTGTCTTGAAGACAGAACGATGCCAAAGAAAGCAAAGCCTACAGGGAGTGGGAAGGAAGA
GGGGCCGGCTCCCTGTAAGCAGATGAAGTTATTTGCAGCTGGGGGGCCTTCAGCTTTAAA
CTTTGACAGTCCCAGTAGTCTCTTTGAAAGTTTAACTCTCGCCCATCAAGACAGAGACTTT
TTTCAAGGAATTTCTGGGAGCAGAAGCCCTTCTCATTAGAGAGATGACCTGCACTGGC
CACATACTATGGGTCCTGTTCAAGCTAACAGATCTGAAGAGTCTGTGCAGCCGGGGAT
GTACTATGGAAGAGATGTGAATGTCTGCCGGTGTGTCAATGGGAAGAAGAAGTTTTAAA
TAAAGATGGCAAAGCACACTTTCTCAGCTGAGAAAAGATTTTGATCAGAAAAGGCAAC
GATTCAGTTTCACCAACCTCAGAGATTTAAGGATGAGCTTTGGAGGATCCAGGAGAAGCT
GGAATGTTACTTTGGCTCCTTGGTTGGCTCGAATGTGTACATAACTCCCGCAGGATCTCA
GGGCTGCCGCCCATATGATGATGTCGAGGTTTTATCCTGCAGCTGGAGGGAGAGAA
AACTGGCGCCTCTACCACCCCACTGTGCCCTGGCACGAGAGTACAGCGTGGAGGCCGA
GGAAGGGATCGCANGNCNGTGCATGAGTTTATGCTGAAACCGGNNNTAATGTGTACTTTT
CCAGAGAACCCATTCTCAAGCGGCACTCCTGCGGGGCTGCCCACTCGATTACGTGACCTC
AGCCCCTACAAACAATCATGGGGAGATTCTTTTGGATACACTCGGGGCTGATTGAAAC
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_032778 unedited <pre> GGACATTCATGNTNCGTCGCCGCCCTCNANATTCNATTTTTTTTTTTTTTTTCACTCC CATTGTAAGTAACTTTTATTTAAGTAAGTAAATCAGGTAGGAAATCACCTTTGACTTAG CTTCCAGTAGTCATTACCACCTTTTACTGCACAATTCACAAGCATGTTTTCTGGTGAAT TGGACTGAAAATTACATTTTGACAACCTTTTTCTTTTATCCCCAATTTTGCCAGAAA GCAGAAAAATGCTCTATTTTATAAAGAAAGATTAAATCTCCAATGATATTTAAAAAA TATCAACCTACATGCACCTTTAGAATGTAAATAACAATGACTATTTAACTCGAAGACC CACTATTTTGAGTATTTTTATAGACTTTAAATACTGGGTTTTTTCTCCTTCAATCTC AGGCTTTTCTCCATCTTTAAGCAGCCTCTGTAACCTCCCTTTGTCCATAGGTGTGCGT GCCTCTCATCTGTGGGAAGTATTATTTAATAAAATTTATGTTACAGGATAACTTTATTT TAATGGGCATGGGCTTGCTATACACAAAGGTATGTATTTTTCATTATAAAAAACCAGT TTAAAATTTTTCTTATTTTAATTGTTTGAAATTTTCTAGAGCCAAAGAAGCTCTTAA AGAAAGTTGTTTCTTCAAAGAACAAGCCAGGTTAATGACATTCAATTCTAAATGATAC ATTGGAATTGTGCTTTTCTACCACACTGGATTAATAAACTTGCAAAATATGGTTTTG TCATTTTCTGAGACACTTGAAATTTGCTGTTCTTCTTTTCAGTGCCCGGTAGTACATTTG GCCAACTGACCAACTGTAACAGGAGGCTTATGTTTGC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_032778
Insert Size:	2500 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<u>NM_032778.3</u> , <u>NP_116167.3</u>
RefSeq Size:	2221 bp
RefSeq ORF:	1395 bp
Locus ID:	84864
UniProt ID:	<u>Q8IUJF8</u>
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]

Transcript Variant: This variant (3) uses an alternate splice site in the 3' coding region, compared to variant 1, and encodes a shorter protein (isoform B), compared to isoform A. Variants 3 and 4 encode the same protein (isoform B). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.