

Product datasheet for **MC204594**

Shisa2 (NM_145463) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Shisa2 (NM_145463) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Shisa2
Synonyms:	9430059P22Rik; MAd2; mShisa; shisa; Tmem46
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

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>BC057640
CCCACGCGTCCGGGAAAGCAGCCACCAGCTCCGGACTCTGATGTGAAACGCTCCAGCCGCGCCTGGC
TCCTGGTCGGCAGCGAGGCGTCCCTCGAGGATGCCAAAGAAGGTCGGATCACAAAGCAAGCTCCAGA
AACGTTTCTTCTGTGATGCCCTGTGAAGGCCAACCTAGCAGGGACGTGGTCACTCGCAAGGAGGGATG
ACTTAGACCCTGGCTCTGCAGCCTGGGCTTCGCCTCAGAGGGGAGTGTTCTCACGAAAGCCCCAGGGA
TCGCCGAACCATAACTTCTTGGGGGAGATCTGTGACCTCTAGAGACATCACCGGTGCCAGGGCAGTGCC
ATGTGGGGCGGACGCTGCTCACCTTCCACCTCTCCAGGCACCGCGCTGCTGCTGACGTGCTGCTGG
CCGCGTCTGGCGGCGGGGCGCGGGCCAGCGCGAGTACTGCCACGGCTGGCTGGACGCGCAGGGCGT
CTGGCGCATCGGCTTCCAGTGCCCGGAGCGCTTCGACGGCGGCGACGCCACCATCTGCTGCGGCAGTGC
GCGCTGCGCTACTGCTGCTCCAGCGCCGAGGCGCGCTAGACCAGGGCGGCTGCGACAACAGCCGACG
AGGGCGTAGGGGAGCCTGGCCGGACAGACCAGAGAGGCCAGACAGCTCGGCAGTCCCCATCTATGTGCC
GTTCTCATCGTTGGCTCAGTGTTCGTTGCCTTATCATCTCGGGTCCCTCGTTGCCGATGCTGTTGC
CGATGTCTACGGCCAAAGCAGGATCCCCAGCAGAGCAGAGCCCCAGGGGCCAACCCGCTGATGGAGACCA
TCCCCATGATCCAGTGCCAGCACTTCCAGGGGCTCATCTCTCGTCAGTCCAGCACCGCTGCCAGCTC
CAGTTCAGTGCGAACTCGGGGGCCCGGCTCCCCGACGAGATCACAGACCAATTGCTGCTTGCCCGAG
GGAACCATGAACAATGTGTATGTCAACATGCCACAAATTTCTCAGTACTCAACTGTCAGCAGGCCACCC
AGATCGTACCCCAAGGGCAGTACCTGCATACTCCATATGTAGGCTATGCCGTACAGCATGACTCTGT
GCCCATGACGCCAGTGCCTCCGTTATGGATGGCTGCAGCCTGGCTACAGACCAGTGCAGCCCCCTTT
GCTCACACTAACAGTGAGCAGAAGATGTTCCCTGCAGTACTGTATAGCCTGCACGGCACAGATTAGACT
CCTTTACGAGACTGAGCAACACGGGGCTGATTCTTGACCACAAGTCTGCTCAAGTTGGTGGTGTACCC
GCCGATGCGCTCCGGATGACGTATTACCTTAACCTATAAGGGGACATCTCCACAGCAGCGTGTCTG
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CAAAAGTTGAGCCCTTAAGTGCCTTGAGGTGGCTGCCAGAGTCAAGGGTTGAAGGATGCTTTTAT
TCCTTTCTGTTTTACGACGCGGGCACAGGAGAAATGCCATTACCGCCCATTTACCTGGGTTTTTTTAAA
ATCAGTGTCAAGGCTGAAAGGAGATGTAATATATAATTATTATGAAAAGAAGCGATCTGAACTCCG
ACCCTAGTCATGAGCCTCAATCATCAGAGGCATGTCTAATTTTATTGTAAGATATAGTCTGTCTATT
TTTTATGCTTTTGGGGGAGGGGAGGCTATTATGTGCTTTTGTGATAACCATGTGTAGAGATCTTAAGTGA
TTTTTCTACAGTACAGAAATTGAAAGAAAATGTCCATTTCTAAGGAAGACATTCAACATTCTGGGGTGG
AGTGGCATTGAAGCCATTCTCTCTTTTATGATGGCGTCTTTTTATTTCCGGCTCTACAGAAGAAGCAAT
TGGATGTGGTTTTTGTGTTTTGTTTTGTTTTGTTTTGTTTTCCATTGAAAACATGAGCTGTCATCTG
CTGCTCTCCAAGTTACTTTCACTTTGCCTCATGATACAGCCTGGTGGTTCATTTTGTCTGCCAGTTT
TGGGATCCCTTTGTCTAAATAGTCCCAAGGGCAGGAAATATCAATGGGCGATGAAGATCAGTAAAAAA
ACAACGTACTGAGGAGATGCTCAGATAGTCTCGGCTGTCAGTGGGACATGAGGTGGCACTTAAACCT
CAAACGTGAACCACTTTGCAATCAGAAGGCTTTTTATGCTCTTGTATCAGACGGTTATTTTTCCAG
CAGCAGGAGCTATGAAATCCAGAGAAAAGCTCCCAGGGAGACATGGCATCCCTTTTCTCCTCAGCCTTC
ACAAGCTCTGTGTTCACTGCCAAGGTTTTAATTTATCAAATCAACTGAATTTGTACATTGGTTACTTA
TGGAAAAAGTTTTAAATACATTGTAAGTGAATTTCAACTGCTAGCAAAGCCAAAATTTGTTAAATAACTG
TGAAGTTTGGTGTGTTTTATACCATCTACCCACAGCGTCTTCTTCTGCCTTCTGTCTGTTTCTCATC
TCATGATGACAGGATAATGTTACATTATCAATGGCAATTGGTACCAACAGATAAGAATCAAAGATTTTA
ATAACCAAGCAGGAGAAAATCATTTTTAAATTTTAATAAATATTTTATGGTGTGAAAAAAAAAAAAAAAA
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Restriction Sites:

RsrII-NotI

ACCN:

NM_145463

Insert Size:

888 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:	<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:	<u>BC057640</u> , <u>AAH57640</u>
RefSeq Size:	2740 bp
RefSeq ORF:	888 bp
Locus ID:	219134
UniProt ID:	<u>Q8QZV2</u>
Cytogenetics:	14 C3
Gene Summary:	Plays an essential role in the maturation of presomitic mesoderm cells by individual attenuation of both FGF and WNT signaling.[UniProtKB/Swiss-Prot Function]