

Product datasheet for **SC122699**

MSC (NM_005098) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MSC (NM_005098) Human Untagged Clone
Tag:	Tag Free
Symbol:	MSC
Synonyms:	ABF-1; ABF1; bHLHa22; MYOR
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

>OriGene sequence for NM_005098 edited
 CCAAGGAGTACAGATAGCCTTTTCAAAGGCGCAGCTTACCGCGGTGCGCGCGGATTCTG
 GACTTGGGCGCAACTCGTAGTCCACGCTCCCCGGGGTACAGAGAGGGGCGCTCACGCTC
 TCGCCACCCACCTCGCTTTCTACCCCGCGCTTCCCGGCTGGGTTTTAGTCTTCTTG
 GAGCGTCTCTGGCTCCGCCTCCGCCAGGGAGCGGAAGGCGGAGACAGCGAGACTGGCC
 AGGGGGAGGAAAAGAGGACGCGTGTGGGCAAGGGGACAACGGGATGTCCACGGGCTCGG
 TGAGTGATCCGGAGGAGATGGAGCTTCGGGGGCTGCAGCGGGAGTACCCGGTCCCCGCCT
 CCAAGAGCCGCCCTCCGCGGCTAGAGCGCAGCTACGCCTCGCCAGTGACAACCTCGT
 CGGCAGAGGAGGAGACCCCGACGGCGAGGAGGAGCGCTGCGCTCTGGGCACAGCCGGCA
 GCGCGGAAGGCTGCAAGAGGAAGCGGCCCGTGTGGCTGGGGGCGGCGCGCAGGTGGTA
 GCGCGGGCGGTGGTGGCAAGAAGCCCTCCCGGCCAAGGGCTCAGCCGCAGAGTGCAAGC
 AGTCGACGCGGAACGCGGCCAACGCCCTGAGCGTGCCCGGATGCGCGTGTCTGAGCAAAG
 CCTTCTCCAGGCTCAAGACCAGCCTGCCCTGGGTGCCCCCGACACTAAGCTCTCCAAGC
 TGGACACGCTCCGGCTGGCTTCCAGTTACATCGCTCACCTGCGGCAGCTGTTGCAGGAGG
 ACCGCTATGAGAACGGCTACGTGCACCCAGTGAACCTGACATGGCCATTCTGGTCTCGG
 GAAGACCGGACTCTGACACCAAAGAAAGTTCCCGAGCCAACAGACTATGTGGAACACCCG
 CTTAAATCGGACTGGAACACTTGTATGGGATTATTCGTTAAATGCGAGTGTGGGGGGC
 CACGGAGAGAAGGGAGAGCTCGTGAGATGGGAAGAAGTTTCCGCTGGATTCTCCTTGACC
 CTTCCCTTTCCCTGGAAGTGTGATCGTGACAGGTGGCGGGTGTGGCTGTCACTGCACAG
 CGCCACGGCTACAGCTGCGCCGGATCTGGGCGACACGTTTTGCCTCTCAAAAAGAGC
 TTCCTTTCGTGACGAGACGCGGACGCGAGTCCACCCTCGGGCCCTAGCTCTGTAGACTAA
 GATTCATCGCACACGTGCGGGACGGTTCCACACAGCCCCGGCTTTCGCGGTGACACAAT
 GGTTAGGGAACGGTTAGAACCGCTCTACATCCGCTTTAAAGACAGAGGTCTAGACGTGA
 GATCCCGCTCGGGACAGGGTTTTAAGTGACAAAGAAGGGCGAGTGGCTTCTCTGGCCGG
 GTTCGTAATCCAGCACAGCGCCCTTCTAACGGGCGGGAGGAAGGCCGCTGCTCGCAGGGC
 TAGGTGGAGACACTTCCAGATCACCGCAGGCGGGTTTTACCCGGAGAGCTCTGGCC
 GTTCGGCTCCCTGCCGGTGGCTTCTTCAATCCCGTCTCCTTCCCAAGCTCCCGGCTTT
 TTCTAATCAGGCAGGCGTCTGTCAACCCTCTCCACTTCTGGGTGAAGCCTCCCCAAGCC
 CCGCTGCGCAACCTGTGTGGGTCTTCTTCGGGCTCCCTCTCCGCCCGCTCTCTGCTC
 CTACCTGCAGCACCCAGCTCCGACTCCAGACTCTCTGCATCAGGTCTCCCACTCCAC
 GCTCCGGGCGCCCAACTCCAACACCACGCTCTGCCGCGCAGGTTCTTCCCGCGCGGAG
 GAGCGCGCAGGGTGGGCGGCTTACCATAGCAAGTGATCCTGCGATAGGGAACGCGCCCTT
 GCCCGAGGCTGCACTACCACAGGAAATAACATATGTAATAAATTTATTTTTTATGAA
 TAATAAACGCGCTGTA AAAACCGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005098 unedited
 GGGGGGACACTTGGGATTTGTAACACGACTTATATAGGCGGCACGCAATTTCGCACGAGG
 CCAAGNAGTACAGATAGCCTTTTCAAAGGCGCAGCTTACCGCGGTGCGCGCGGATTCTGG
 ACTTGGGCGCAACTCGTAGTCCACGCTCCCCGGGGTACAGAGAGGGGCGCTCACGCTCT
 CGCCACCCACCTCGCTTTCTACCCCGCGCTTCCCGGCTGGGTTTTAGTCTTCTCTTG
 AGCGCTCTCTGGCTCCGCCTCCGCCAGGGAGCGGAAGGCGGAGACAGCGAGACTGGCCA
 GGGGGGAGGAAAAGAGGACGCGTGTGGGCAAGGGGACAACGGGATGTCCACGGGCTCGGT
 GAGTGATCCGGAGGAGATGGAGCTTCGGGGGCTGCAGCGGGAGTACCCGGTCCCCGCTC
 CAAGAGGCGCCCTCCGCGGCTAGAGCGCAGCTACGCCTCGCCAGTGACATCTCGTC
 GGCAGAGGATGAGGACCCGACGCGGAGGAGGAGCGCTGCGCTCTGGGCACAGCCGGCAG
 CGCGGAATGCTGCATGAGGAAGCCGCCCGTGTGGCTGGNGGCGGCGGCATGTGGTAG
 CGCGGGCGGGTGTGGCAATGAGCCCTCCCGGCAATGGCTCAGCCGCAGAGTGATGCA
 GTCGACGCGGAACGCGGCCACGCCCTGAGCGTGCCAGATGCCCGTGTGAGCAAAGC
 CTTCTNCAAGGCTCAAGACCAGCCTGCCCTGGGTGCCCCCGACACTAAGCTCTCCAAGCT
 GGACACGCTCCGGCTGGCTTCCAGNTACATCGCTCACCTGCGGCAGCTGTTGCAGGGAGA
 CCGCTATGAGAACGGCTACGTGCACCCAGTGAACCTGACATGGCCATT

Restriction Sites:	Please inquire
ACCN:	NM_005098
Insert Size:	2040 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>NM_005098.2</u> , <u>NP_005089.1</u>
RefSeq Size:	1939 bp
RefSeq ORF:	657 bp
Locus ID:	9242
UniProt ID:	<u>O60682</u>
Cytogenetics:	8q13.3
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	The protein encoded by this gene is a transcriptional repressor capable of binding an E-box element either as a homodimer or as a heterodimer with E2A in vitro. The encoded protein also forms heterodimers with E2A proteins in vivo. This protein is capable of inhibiting the transactivation capability of E47, an E2A protein, in mammalian cells. This gene is a downstream target of the B-cell receptor signal transduction pathway. [provided by RefSeq, Jul 2008]