

Product datasheet for **MC206562**

Mlf1 (BC027526) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mlf1 (BC027526) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mlf1
Synonyms:	HLS7
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC027526 CAGGCTGGTGGCGGCGCAGAGAGCTGCGCCCATTTCCATCCGCGCCCGCCGCCCGCAGGATCAGCAT GTTCCGGATGCTGAGCAGCAGCTTTGAGGATGACCCCTTCTTCGCTGATCTTTTCTTGACACCGAGAA AGTATGCCAACATGATGAGAAGTTTCTCTGAACCTCTTGAAGAGACTTGCTCAGTATCTCTGATGGTA GAGGAAGAACCATAATCGTCGAGAACGTGATGATGGCGAAGATTCTTAAGTGAACAAGTTTTCTCT TGTGCCTTTTGAAGTTTGGTGAATGCATGCAGATGTCAACCCTTTTCAGACAATGGATCGGATGATG GCAAATATGCGAAGTGGTATACAGGAGTTACAAAGAACTTTGGCCAACCTTCAATGGATCCAAATGGGC ATTCATTTTGTCTTCTCTGTTATGACCTATTCCAAAGTAGGAGATGAACCACCAAGGTGTTCCAGGC CTCAACTCAAACCGAAGGGCTCCAGGAGGAGTAAAAGAAACCAGAAAAGCAATGAGAGATTCTGACAGT GGACTAGAAAAGATGGCTGTTGGTCATCACATCCATGACCGAGGTCATGTCATTAGGAAGTCAAAGAACA ACAAGACTGGAGATGAAGAAGTCAACCAAGAGTTCATCAATATGAATGAAAGTGACGCTCATGCTTTTGA TGATGAGTGGCAAATGAAGTTCTGAAGTACAAGTCTATTGGACGGTCAGGAAACTGGAATGCGAAGT GTGGGTGATGAGCATCCAGGGTCACGGGAACTCAAAGGAGAGAGAAAATTCATCGAAATTCAGCCATTG AGAGTGGAGAAGATCAAACGTTTTTGTGGACAACTCAATGTGAAAGGATCACCTGTGAAAATCACCAA AAAATAAATAGCCCTGCATTTTCAATTTGTTAGTTGGTTATTTTAACAAAGTCATGGCATGGTGCTAGAAA ATACACAAAAGACCAATCTCCTGTTGTTAAATCAATGCTGTACTTTGCAACTTTCTTCCAAATATGAATG TTCTTGTAAGTTTTAGCTTTACATTGTTTCATACTTTAGGAATAAAATATGGATGTTCAAAAAAAAAAAAAA AAAAAA
Restriction Sites:	EcoRI-NotI
ACCN:	BC027526
Insert Size:	849 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).



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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>BC027526, AAH27526</u>
RefSeq Size:	1126 bp
RefSeq ORF:	849 bp
Locus ID:	17349
Cytogenetics:	3 30.91 cM
Gene Summary:	Involved in lineage commitment of primary hemopoietic progenitors by restricting erythroid formation and enhancing myeloid formation. Interferes with erythropoietin-induced erythroid terminal differentiation by preventing cells from exiting the cell cycle through suppression of CDKN1B/p27Kip1 levels. Suppresses COP1 activity via CSN3 which activates p53 and induces cell cycle arrest. Binds DNA and affects the expression of a number of genes so may function as a transcription factor in the nucleus.[UniProtKB/Swiss-Prot Function]