

## Product datasheet for MR223120

### Lif (NM\_008501) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Lif (NM\_008501) Mouse Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Lif  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >MR223120 representing NM\_008501  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**

ATGAAGTCTTGGCCGAGGGATTGTGCCCTTACTGCTGCTGGTTCTGCACTGGAAACACGGGGCAGGGA  
GCCCTCTCCCATCACCCCTGTAATGCCACCTGTGCCATACGCCACCCATGCCACGGCAACCTCATGAA  
CCAGATCAAGAATCAACTGGCACAGCTCAATGGCAGCGCCAATGCTCTCTTCATTTCCTATTACACAGCT  
CAAGGGGAGCCGTTTCCCAACAACGTGGAAAAGCTATGTGCGCTAACATGACAGACTTCCCATCTTTCC  
ATGGCAACGGGACAGAGAAGACCAAGTTGGTGGAGCTGTATCGGATGGTCGCATACCTGAGCGCCTCCCT  
GACCAATATCACCCGGGACCAGAAGTCTGAACCCACTGCCGTGAGCCTCCAGGTCAAGCTCAATGCT  
ACTATAGACGTGATGAGGGCCCTCCTCAGCAATGTGCTTTGCCGTCTGTGCAACAAGTACCGTGTGGGCC  
ACGTGGATGTGCCACCTGTCCCGACCACTCTGACAAAGAAGCCTTCAAAGGAAAAAGTTGGGTTGCCA  
GCTTCTGGGGACATACAAGCAAGTCATAAGTGTGGTGGTCCAGGCCTTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR223120 representing NM\_008501  
Red=Cloning site Green=Tags(s)

MKVLAAGIVPLLLLVLHWKHGAGSPLPITPVNATCAIRHPCHGNLMNQIKNQLAQLNGSANALFISYYTA  
QGEFPNVEKLCAPNMTDFPSFHNGTEKTLVELYRMVAYLSASLTNITRDQKVLNPTAVSLQVKLNA  
TIDVMRGLLSNVLRLCNKYRVGHVDVPPVPDHSDFEAFQRKKLGCQLLGTQKQVIVVVQAF

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/ja1264\\_e11.zip](https://cdn.origene.com/chromatograms/ja1264_e11.zip)



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**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\\_008501.2](#), [NP\\_032527.1](#)

**RefSeq Size:** 4015 bp

**RefSeq ORF:** 612 bp

**Locus ID:** 16878

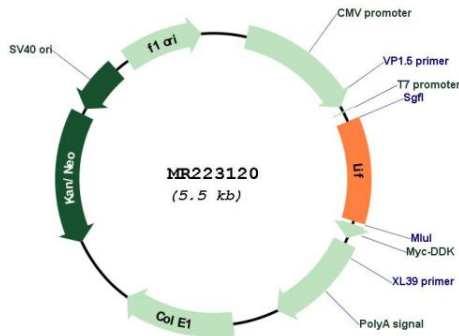
**UniProt ID:** [P09056](#)

**Cytogenetics:** 11 2.94 cM

**MW:** 22.7 kDa

**Gene Summary:** LIF has the capacity to induce terminal differentiation in leukemic cells. Its activities include the induction of hematopoietic differentiation in normal and myeloid leukemia cells, the induction of neuronal cell differentiation, and the stimulation of acute-phase protein synthesis in hepatocytes.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR223120