

## Product datasheet for MC208888

### Lif (NM\_001039537) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lif (NM_001039537) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lif
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208888 representing NM_001039537 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGAACCAGATCAAGAATCAACTGGCACAGCTCAATGGCAGCGCCAATGCTCTCTTCATTTCCTATTACA  
CAGCTCAAGGGGAGCCGTTTCCCAACAACGTGGAAAAGCTATGTGCGCCTAACATGACAGACTTCCCATC  
TTTCCATGGCAACGGGACAGAGAAGACCAAGTTGGTGGAGCTGTATCGGATGGTCGCATACCTGAGCGCC  
TCCCTGACCAATATCACCCGGGACCAGAAGGTCTGAACCCCACTGCCGTGAGCCTCCAGGTCAAGCTCA  
ATGCTACTATAGACGTCATGAGGGGCTCCTCAGCAATGTGCTTTGCCGTCTGTGCAACAAGTACCGTGT  
GGGCCACGTGGATGTGCCACCTGTCCCGACCACTCTGACAAAGAAGCCTTCCAAAGGAAAAAGTTGGGT  
TGCCAGCTTCTGGGGACATACAAGCAAGTCATAAGTGTGGTGGTCCAGGCCTT**CAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001039537
Insert Size:	477 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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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<u>NM_001039537.2, NP_001034626.1</u>
<b>RefSeq Size:</b>	4114 bp
<b>RefSeq ORF:</b>	477 bp
<b>Locus ID:</b>	16878
<b>UniProt ID:</b>	<u>P09056</u>
<b>Cytogenetics:</b>	11 2.94 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR, lacks a portion of the 5' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (b) has a shorter N-terminus, compared to isoform a. 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.</p>