

## Product datasheet for MC223506

### Lifr (NM\_013584) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lifr (NM\_013584) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Lifr  
**Synonyms:** A230075M04Rik; AW061234; LIF  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC223506 representing NM\_013584  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCAGCTTACTCATGGTGGAGACAGCCATCGTGGATGGTAGACAATAAAAGATCGAGGATGACTCCAA  
 ACCTGCCATGGCTCCTGTCAGCTCTGACCTCCTGCATCTGACGATGCATGCAAACGGTCTGAAGAGAGG  
 GGTACAAGACTTAAAATGCACAACCAACACATGCGAGTGTGGGACTGCACGTGGCCAGCTCCCCCGGG  
 GTCAGCCCTGGAAGTAAAGATATTTGCATTAAAGACAGGTTCCATTCTTGTACCCATTAGAGACAA  
 CAAACGTTAAAATTCAGCTCTTTCACCTGGTGATCACGAAGTCAACAATAAATTATCTAAATGGCTTCA  
 GAGTAAATTCACGTTGAATGAAAAAGATGTCTCTTAAATTCAGAGACTCCCGAGATCCTGGATTTGTCT  
 GCTGACTTCTTACCTCCTCTTACTACTGAAAGTGAACGACAGAGGGTCTGCTCTGCCTCACCCCTCCA  
 ATGCCACCTGGGAGATTAAGGTTCTACAGAATCCAAGGACGGAACCAAGTACGACTCGTGTACTCAACAC  
 AATGCTGAGTGGTAAAGATACCGTTCAGCACTGGAAGTGGACCTCAGACCTGCCCTTGAATGTGCCACT  
 CACTCGGTGAGCATTGATGGCATTGACTCGCTCATTTCTCCGTTACAAAGAGTGGAGTACTGGA  
 GCCCGCTGAAGAATCTCCTGGATTGTAATACAGAGACTAATGTTTTCTCAAGCAAAAGTGGTGTCT  
 CGCAGGCTCAAACATGACAATTTGTTGATGAGTCCAACGAAAGTCTTTCAGGACAGATCGGCAATACC  
 CTTCTGCTCTCATCCATCTGTACGGGCAAAACCGTTGCGATCCATATCCTGAACATCCCCGTTTCTGAAA  
 ACAGTGGCACAACATCATTTTTATCACAGACGACGATGTGTACGGAACGGTGGTCTTTGCAGGCTATCC  
 TCCCGATGTTCTCAGAAGCTGAGCTGTGAGACACATGACTTAAAAGAGATTATATGTAGCTGGAATCCA  
 GGAAGGATAACTGGACTGGTGGGCCACGAAATACAGAATACACCCTGTTTGAAGCATTTCAGGAAAAT  
 CGGCAGTATTTACAGGATTGAAGGACTTACAACGAGACCTACCGTTAGGCGTGCAAATGCATCCCGG  
 CCAAGAAATCCATAACTCACCTGACTGGTCCGCAATCCACTGGGCGAGGCACAGTCAGCAGTGGTCATC  
 AATGTGACTGAGAGATTGCTCCTCATGATCCGACTTCGTTGAAAGTGAAGGACATCAATCAACAGTTG  
 TTACATTTTCTGGTATTTACCAGGAAATTTTACAAGATTAATCTTTTATGTCAAATGAAATTTGTAA  
 AGCTAATTCGAAGAAAGAAGTGAGGAATGCCACAATCAGAGGAGCCGAGGATTCAACTTACCATGTTGCT  
 GTAGACAAATTAATCCATACACTGCATACACTTCCGGTTCGTTGTTCTTCCAAGACTTCTGGAAGT



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GGAGCAGGTGGAGTGATGAGAAGCGACATCTAACCACAGAAGCCACTCCTTCAAAGGGACCAGACTTG
GAGAGAGTGGAGTTCTGATGGAAAAATCTAATCGTCTACTGGAAGCCTTTACCTATTAATGAAGCTAAT
GGAAAAATACTTTCTACAATGTTTCGTGTTTCATTGAACGAGGAGACACAGTCAGTTTTGGAGATCTTCG
ATCCTCAACACAGAGCAGAGATACAGCTTAGTAAAAATGACTACATCATCAGTGTGGTGGCAAGAAATTC
TGCTGGCTCATCACACCTTCGAAAAATAGCTAGTATGGAAATCCCAAATGACGACATCACAGTAGAGCAA
GCGGTGGGGCTAGGAAACAGGATCTTCTCACCTGGCGTCACGACCCCAACATGACTTGTGACTACGTAA
TTAAATGGTGCAACTCATCTCGGTCTGAGCCCTGCCTCCTGGACTGGAGAAAGGTTCTTCAAACAGCAC
GGAGACTGTATAGAGTCTGATCAGTTTTAGCCAGGAGTAAGATACAACTTTTACCTCTATGGGTGCACT
AACCAGGGATACCAACTGTTACGTTCCATAAATTGGATACGTAGAAGAAGTGGCTCCCATTGTCGCGCCAA
ATTTACCGTGGAAAGATACGTCGGCAGACTCGATATTAGTAAAATGGACGACATCCCCGTGGAAGAGCT
CCGAGGCTTCTAAGAGGGTATTTATTTTACTTTCAGAAAGGAGAGAGATACGCCAAGACGAGGAGC
TTGGAGCCACATCATTCTGACATCAAGCTAAAGAACATCACTGACATATCCAGAAGACTGAGGATTG
CTGACCTTCAGGGTAAAACAGTTACCATCTGGTCTGCGAGCCTATACACATGGTGGTCTGGGCCAGA
GAAGAGCATGTTTGTGGTGACCAAGGAAAACCTCTGTGGGATTGATTATTGCCATCCTCATCCAGTGGCT
GTGGCTGTATTGTTGGCGTGGTAAACGAGCATCCTTTGCTATCGGAAGCGAGAATGGATTAAGGAAACAT
TCTACCCAGATATCCCAATCCAGAAAACCTGTAAGGCGCTACAGTTTCAGAAGAGCGTCTGCGAGGGGAA
CAATGCTCTTAAGACATTGGAATGAACCCCTGTACCCCGAACAACGTTGAAGTCTGGAATCTCGGTGCG
ATAGTCCCTAAAATAGAAGATACAGAAAATATTTCCCGAGTTGCTGAGCGTCTGGGGAAAGATCTGAGG
TGGACCTGAGAACCATGTGGTCTGTCTTACTGCCACCCATCATCGAGGAGGAAATAACGAACCCCGC
GGCCGATGAAGTGGGAGGGGCTTCCAGGTCGTGTACATCGATGTGCAGTCCATGTATCAGCCGCAAGCC
AAAGCAGAGGAAGAGCAGGACGTGGATCCTGTGGTGGTGGCAGGCTATAAGCCACAGATGCGCCTTCCCA
TCAGCCCCGCTGTGGAAGACACAGCAGCAGAAGATGAAGAGGGTAAGACCGCCGGTTACAGACCTCAGGC
CAATGTAAACACTTGAATTTGGTCTCTCCAGATTCCCGAGGTCACAGACGCAACAACGAAGTTGTC
TCTTTTGAAGTCCGTGCTCCATCAATTCCAGGCAATTCTTATTCTCTCTAAAGACGAAGACTCTCCTA
AATCTAATGGAGGAGGGTGGTCTTTACAACTTCTTCCAGAACAACCAATGACTAA

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**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-Mlul

**ACCN:**

NM\_013584

**Insert Size:**

3279 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:**

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\\_013584.2](#), [NP\\_038612.1](#)

RefSeq Size: 9663 bp

RefSeq ORF: 3279 bp

Locus ID: 16880

UniProt ID: [P42703](#)

Cytogenetics: 15 3.46 cM

**Gene Summary:** Signal-transducing molecule. May have a common pathway with IL6ST. The soluble form inhibits the biological activity of LIF by blocking its binding to receptors on target cells. [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) encodes the longer isoform (1). Both variants 1 and 3 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.