

Product datasheet for **MG210267**

Lifr (BC031929) Mouse Tagged ORF Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Lifr (BC031929) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Lifr |
| Synonyms: | A230075M04Rik; AW061234; LIF |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>MG210267 representing BC031929
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCAGCTTACTCATGGTGGAGACAGCCATCGTGGATGGTAGACAATAAAAGATCGAGGATGACTCCAA
 ACCTGCCATGGCTCCTGTGACGCTCTGACCTCCTGCATCTGACGATGCATGCAAACGGTCTGAAGAGAGG
 GGTACAAGACTTGAAATGCACAACCAACAACATGCGAGTGTGGGACTGCACGTGGCCAGCTCCCCCTCGGG
 GTCAGCCCTGGAAGTGTAAAGATATTTGCATTAAGACAGGTTCCATTCTTGTCACCCATTAGAGACAA
 CAAACGTTAAAAATCCAGCTCTTTCACCTGGTATCACGAAGTACAATAAATTATCTAAATGGCTTTCA
 GAGTAAATTCACGTTGAATGAAAAAGATGTCTTTAATTCAGAGACTCCCAGATCCTGGATTGTCT
 GCTGACTTCTTACCTCCTCTTACTACTGAAGTGAACGACAGAGGGTCTGCTCTGCCTCACCCCTCCA
 ATGCCACCTGGGAGATTAAGTTCTACAGAATCCAAGGACGGAACCAAGTACGACTCGTGTACTCAACAC
 AATGCTGAGTGGTAAAGATACCGTTGACTGGAAGTGGACCTCAGACCTGCCCTTGAATGTGCCACT
 CACTCGGTGAGCATTGATGGCATTGACTCGCCTCATTCTCCGGTTACAAAGAGTGGAGTACTGGA
 GCCCGTGAAGAATCTCCTGGATTCTAATACAGAGACTAATGTTTTCTCAAGACAAAGTGGTGTCT
 CGCAGGCTCAAACATGACAATTTGTTGTATGAGTCCAACGAAAGTCTTTGAGGACAGATCGGCAATACC
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 CCAAGAAATCCATAACTTACCCTGACTGGTTCGCAATCCACTGGGCGAGGCACAGTCAAGCAGTGGTCAATC
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 GAGAGAGTGGAGTCTGATGGAAAAATCTAATCGTCTACTGGAAGCCTTACCTATTAATGAAGCTAAT
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 ATCCTCAACACAGAGCAGAGATACAGCTTAGTAAAAATGACTACATCATCAGTGTGGTGGCAAGAAATTC
 TGCTGGCTCATCACACCTTCGAAAATAGCTAGTATGAAATCCCAAATGACGACATCACAGTAGAGCAA
 GCGGTGGGGCTAGGAAACAGGATCTTCCCTCACCTGGCGTACGACCCCAACATGACTTGTGACTACGTAA
 TTAATGGTGCAACTCATCTCGGTCTGAGCCCTGCCTCCTGGACTGGAGAAAGGTTCTTCAAACAGCAC
 GGAGACTGTCATAGAGTCTGATCAGTTTCAGCCAGGAGTAAGATACAACTTTTACCTCTATGGGTGCACT
 AACCAGGGATACCAACTGTTACGTTCCATAATTGGATACGTAGAAGAAGTGGAAAGCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG210267 representing BC031929
 Red=Cloning site Green=Tags(s)

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MAAYSWWRQPSWMVDNKRSRMTPNLPWLLSAL TLLHL TMHANGLKRGVQDLKCTTNMNRVWDCTWPAPLG
VSPGTVKDICKDRFHSCHPLETTNVKIPALSPGDHEVTINYLNGFQSKFTLNEKDVSLIPETPEILDLS
ADFFTSSLLLLKWNDRGSALPHPSNATWEIKVLQNPRTPEVALVLLNTMLSGKDTVQHWNWTSDDLPLQCAT
HSVSIRWHIDSPHFSGYKEWSDWSPLKNISWIRNTE TNVFPQDKVVLAGSNMTICCMSPTKVL SQQIGNT
LRPLIHL YGQTV AIHILNIPVSENSGTNIIFITDDDVYGT VVFAGYPPDVPQKLS CETHDLKEIICSWNP
GRITGLVGPRNTEYTLFESISGKSAVFHRIEGLTNETYRLGVQMHPGQEIHNFTLTGRNPLGQAQSAVVI
NVTERVAPHDPTSLKVKDINSTVVTFSWYLPGNFTKINLLCQIEICKANSKKEVRNATIRGAEDSTYHVA
VDKLNPTYAYTFRVRCSSKTFWKWSRWSDEKRHLTTEATPSKGPDTWREWSSDGKNLIVYWKPLPINEAN
GKILSYNVSCSLNEETQSVLEIFDPQHRAEIQLSKNDYIISVVARNSAGSSPPSKIASMEIPNDDITVEQ
AVGLGNRIFL TWRHDPNMTCDYVIKWCNSRSEPCLLDWRKVPSNSTETVIESDQFQPGVRYNFYLYGCT
NQGYQLLRSIIGYVEELEA
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC031929

ORF Size: 2157 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC031929](#), [AAH31929](#)

RefSeq Size: 2503 bp

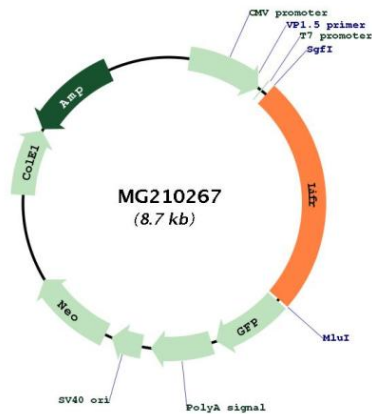
RefSeq ORF: 2159 bp

Locus ID: 16880

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]

Product images:



Circular map for MG210267