

Product datasheet for **SC323254**

LIFR (NM_001127671) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: LIFR (NM_001127671) Human Untagged Clone
Tag: Tag Free
Symbol: LIFR
Synonyms: CD118; LIF-R; SJS2; STWS; SWS
Mammalian Cell Selection: None
Vector: pCMV6-XL4
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_001127671 edited
ATGATGGATATTTACGTATGTTTGAACGACCATCCTGGATGGTGGACAATAAAAGAATG
AGGACTGCTTCAAATTTCCAGTGGCTGTATCAACATTTATTCTTCTATATCTAATGAAT
CAAGTAAATAGCCAGAAAAAGGGGGCTCCTCATGATTTGAAGTGTGTAACCTAACAATTTG
CAAGTGTGGAAGTCTTCTTGAAAAGCACCTCTGGAACAGGCCGTGGTACTGATTATGAA
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ATCTTGAATTTGTCTGCTGATTTCTCAACCTCTACATTACCTAAAGTGGAACGACAGG
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AGTATGGAGCTCGTAAAATTAGTGACCCACAACAACCTCTGAATGGCAAAGATACTT
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GACTTAGATAAAAAGTGGGTTACAGACCTCAGGCCAATGTAATACATGGAATTTAGTG
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TGCTCCATTAATCCCGACAATTTTGGATTCTCCTAAAGATGAAGACTCTCCTAAATCT
AATGGAGGAGGGTGGTCTTTACAACTTTTTTCAGAACAACCAACGATTA

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- Restriction Sites:** Please inquire
- ACCN:** NM_001127671
- Insert Size:** 5550 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).
- OTI Annotation:** The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_001127671.1.
- 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_001127671.1](#), [NP_001121143.1](#)

RefSeq Size: 10258 bp

RefSeq ORF: 3294 bp

Locus ID: 3977

UniProt ID: [P42702](#)

Cytogenetics: 5p13.1

Protein Families: Druggable Genome, Secreted Protein, Transmembrane

Protein Pathways: Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Gene Summary: This gene encodes a protein that belongs to the type I cytokine receptor family. This protein combines with a high-affinity converter subunit, gp130, to form a receptor complex that mediates the action of the leukemia inhibitory factor, a polyfunctional cytokine that is involved in cellular differentiation, proliferation and survival in the adult and the embryo. Mutations in this gene cause Schwartz-Jampel syndrome type 2, a disease belonging to the group of the bent-bone dysplasias. A translocation that involves the promoter of this gene, t(5;8)(p13;q12) with the pleiomorphic adenoma gene 1, is associated with salivary gland pleiomorphic adenoma, a common type of benign epithelial tumor of the salivary gland. Multiple splice variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Jun 2018]

Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 3. Variants 1, 2, and 3 all encode the same 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 extent of this transcript is supported by transcript alignments.