

Product datasheet for **SC330571**

LIF (NM_001257135) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: LIF (NM_001257135) Human Untagged Clone
Tag: Tag Free
Symbol: LIF
Synonyms: CDF; DIA; HILDA; MLPLI
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330571 representing NM_001257135.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAAGGTCTTGGCGGCAGTACACAGCCCAGGGGAGCCGTTCCCAACAACCTGGACAAGCTATGTGG
 CCCCACGTGACGGACTTCCCGCCCTTCCACGCCAACGGCAGGAGAAGGCCAAGCTGGTGGAGCTGTA
 CCGCATAGTCGTGTACCTTGGCACCTCCCTGGGCAACATCACCCGGGACCAGAAGATCCTCAACCCAG
 TGCCTCAGCCTCCACAGCAAGCTCAACGCCACCGCCGACATCCTGCGAGGCCTCCTTAG

Restriction Sites: SgfI-MluI

ACCN: NM_001257135

Insert Size: 267 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_001257135.1](#)



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RefSeq Size:	3808 bp
RefSeq ORF:	267 bp
Locus ID:	3976
UniProt ID:	<u>P15018</u>
Cytogenetics:	22q12.2
Protein Families:	Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway
MW:	9.6 kDa
Gene Summary:	<p>The protein encoded by this gene is a pleiotropic cytokine with roles in several different systems. It is involved in the induction of hematopoietic differentiation in normal and myeloid leukemia cells, induction of neuronal cell differentiation, regulator of mesenchymal to epithelial conversion during kidney development, and may also have a role in immune tolerance at the maternal-fetal interface. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Mar 2012]</p> <p>Transcript Variant: This variant (2) lacks an exon in the coding region, which results in a frameshift, compared to variant 1. The encoded isoform (2) is shorter and has a distinct C-terminus, compared to isoform 1. 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>