# LIF (Human) Recombinant Protein

Catalog # P8908 Size 2 x 10 ug

## Specification

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|---|---|
| **Product Description** | Human LIF (P15018, 23 a.a. - 202 a.a.) partial-length recombinant protein with His-tag at C-terminal expressed in *Baculovirus*. |
| **Sequence** | ADPSPLPITPVNATCAIRHPCHNNLMNQIRSQLAQLNGSANALFILYYTAQGEPFPNNLDKLCGPNV TDFPPFHANGTEKAKLVELYRIVVYLGTSLGNITRDQKILNPSALSLHSKLNATADILRGLLSNVLCR LCSKYHVGHVDVTYGPDTSGKDVFQKKKLGCQLLGKYKQIIAVLAQAFHHHHHH. |
| **Host** | Viruses |
| **Theoretical MW (kDa)** | 20.8 |
| **Form** | Liquid |
| **Preparation Method** | *Baculovirus* expression system |
| **Purity** | > 90% by SDS PAGE |
| **Storage Buffer** | Phosphate Buffered Saline (pH 7.4) and 10% glycerol. |
| **Storage Instruction** | Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. |

## Applications

- Functional Study
- SDS-PAGE

## Gene Info — LIF

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|---|---|
| **Entrez GeneID** | 3976 |
| **Protein Accession#** | P15018 |

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|---|---|
| **Gene Name** | LIF |
| **Gene Alias** | CDF, DIA, HILDA |
| **Gene Description** | leukemia inhibitory factor (cholinergic differentiation factor) |
| **Omim ID** | 159540 |
| **Gene Ontology** | Hyperlink |
| **Gene Summary** | The protein encoded by this gene is a pleiotropic cytokine with roles in several different systems. I t 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. [provided by RefSeq |
| **Other Designations** | D factor\|cholinergic differentiation factor\|differentiation inhibitory activity\|differentiation stimulating factor |

## Pathway

- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway

## Disease

- Abortion
- Arthritis
- Brain Ischemia
- Cardiovascular Diseases
- Cerebrovascular Accident
- Dementia
- Diabetes Mellitus
- Edema
- Endometriosis

- Genetic Predisposition to Disease

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- Infertility
- Memory
- Mental Disorders
- Multiple Sclerosis
- Neuropsychological Tests
- Obesity
- Ovarian Failure
- Polycystic Ovary Syndrome
- Puberty
- Schizophrenia
- Thrombophilia
- Tobacco Use Disorder

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