LIF (Human) Recombinant Protein

Catalog # P8909 Size 2 x 10 ug

Specification

Product Description	Human LIF (P15018, 23 a.a. - 202 a.a.) partial-length recombinant protein with His-tag at N-terminal expressed in *Escherichia coli*.
Sequence	MKHHHHHHASPLPITPVNATCAIRHPCHNNLMNQIRSQLAQLNGSANALFILYYTAQGEPFPNNLDK LCGPNVTDFPPFHANGTEKAKLVELYRIVVYLGTSLGNITRDQKILNPSALSLHSKLNATADILRGLL SNVLCRLCSKYHVGHVDVTYGPDTSGKDVFQKKKLGCQLLGKYKQIIAVLAQAF.
Host	Escherichia coli
Theoretical MW (kDa)	20.9
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 95% by SDS PAGE
Storage Buffer	Lyophilized from 20 mM Tris buffer, 20 mM NaCl and 5% w/v trehalose, pH 7.5.
Storage Instruction	Store at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles.

Applications

- SDS-PAGE

Gene Info — LIF

Entrez GeneID	3976
Protein Accession#	P15018
Gene Name	LIF

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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
- Infertility

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

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