Bioactive

LIF (Human) Recombinant Protein

Catalog # P6253 Size 100 ug

Applications

Result of activity analysis

Result of activity analysis

Specification

Product Description	Human LIF (P15018) recombinant protein expressed in *E.Coli*.
Sequence	MSPLPITPVNATCAIRHPCHNNLMNQIRSQLAQLNGSANALFILYYTAQGEPFPNNLDKLCGPNVTD FPPFHANGTEKAKLVELYRIVVYLGTSLGNITRDQKILNPSALSLHSKLNATADILRGLLSNVLCRLC SKYHVGHVDVTYGPDTSGKDVFQKKKLGCQLLGKYKQIIAVLAQAF
Host	Escherichia coli
Theoretical MW (kDa)	19.8
Form	Lyophilized
Purity	>= 95%
Endotoxin Level	<= 1 EUs/ug (Kinetic LAL)
Activity	ED_{50} <= 200 pg/mL TF-1 cell proliferation The values provided above are minimum expected values to pass internal requirements.
Quality Control Testing	Reducing and Non-Reducing SDS PAGE
Conformation	Monomer

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Storage Buffer	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA).
Storage Instruction	Storage Prior to Reconstitution: -20°C. Stored at -20°C to-80°C for 12 month. After reconstitution with sterile 10 mM acetic acid at 0.1 mg/mL, store at -20°C to -80°C for 3 months , store at 4°C for 1 month. Aliquot to avoid repeated freezing and thawing.
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- Western Blot

Gene Info — LIF

Entrez GeneID	3976
Protein Accession#	P15018
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

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.