ARG70245
Human LIF recombinant protein (Active) (His-tagged, C-ter)

Package: 100 µg
Store at: -20°C

Summary

Product Description	HEK293 expressed, His-tagged (C-ter) Active Human LIF recombinant protein.
Tested Reactivity	Hu
Tested Application	FuncSt, SDS-PAGE
Target Name	LIF
Species	Human
A.A. Sequence	Ser23 - Phe202 of Human LIF (NP_002300.1) with 6X His tag at the C-terminus.
Expression System	HEK293
Activity	Active
Activity Note	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is typically 0.1-0.3 ng/ml.
Alternate Names	LIF; Leukemia inhibitory factor; Emfilermin; CDF; DIA; Differentiation-stimulating factor; MLPLI; HILDA; Melanoma-derived LPL inhibitor; D factor

Properties

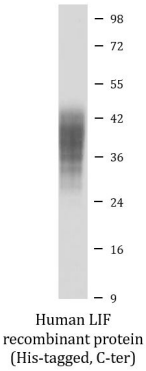
Form	Powder
Purification Note	0.22 µm filter sterilized. Endotoxin level is 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4)
Reconstitution	Reconstitute to a concentration of 0.1 - 0.5 mg/ml in sterile distilled water.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C for up to one month, at 2-8°C for up to one week. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LIF
Gene Full Name	leukemia inhibitory factor
Background	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]
Function	LIF has the capacity to induce terminal differentiation in leukemic cells. Its activities include the induction of hematopoietic differentiation in normal and myeloid leukemia cells, the induction of neuronal cell differentiation, and the stimulation of acute-phase protein synthesis in hepatocytes. [UniProt]

Calculated Mw	22 kDa
Cellular Localization	Secreted. [UniProt]

Images



ARG70245 Human LIF recombinant protein (Active) (His-tagged, C-ter) SDS-PAGE image

SDS-PAGE analysis of ARG70245 Human LIF recombinant protein (Active) (His-tagged, C-ter).