

Product datasheet for **TP723889**

LIF (NM_002309) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human leukemia inhibitory factor (cholinergic differentiation factor) (LIF)
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	Human LIF, the region of Ser23-Phe202, from gene Accession# NM_002309
Tag:	Tag Free
Predicted MW:	20 kDa
Concentration:	lot specific
Purity:	>97%, as determined by Coomassie stained SDS-PAGE.
Buffer:	1 x PBS, pH 7.4
Bioactivity:	The ED50 is 0.03-0.12 ng/ml, corresponding to a specific activity of 8.3-33.3 x 10 ⁶ units/mg.
Endotoxin:	Less than 1.0 EU per µg of protein as determine by the LAL method
Storage:	Store at -80°C.
Stability:	Unopened vial can be stored between 2°C and 8°C for up to 2 weeks, at -20°C for up to 6 months, or at -70°C or below until the expiration date. Aliquots can be stored between 2°C and 8°C for up to one week and stored at -20°C or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
RefSeq:	NP_002300
Locus ID:	3976
UniProt ID:	P15018
RefSeq Size:	3987
Cytogenetics:	22q12.2
RefSeq ORF:	606
Synonyms:	CDF; DIA; HILDA; MLPLI



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Summary:

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]

Protein Families:

Adult stem cells, Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

Protein Pathways:

Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway

Product images: