

LIF active protein

Recombinant Mouse LIF

CATALOG #
AAA214320

HOST
E Coli

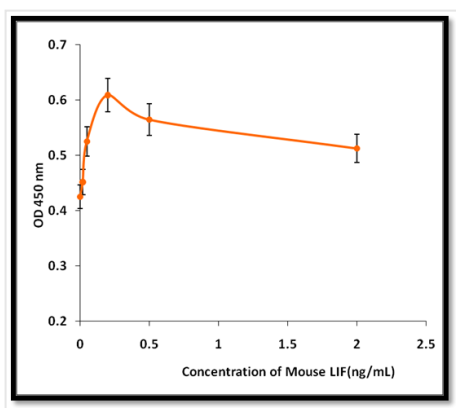
PRODUCT SYNONYMS

LIF; Recombinant Mouse LIF; Differentiation-stimulating factor; D factor; Recombinant Mouse Leukemia Inhibitory Factor (LIF); LIF active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by SDS-PAGE
Form/Format	Lyophilized from a 0.2 um filtered PBS pH 7.5
Sequence Length	158
Bioactivity	The ED(50) was determined by the dose-dependent differentiation of M1 myeloid leukemic cells was found to be in the range of 0.01 ng/mL.
Endotoxin Level	<1.0 EU/ug of recombinant protein as determined by the LAL method
Reconstitution	A quick spin of the vial followed by reconstitution in distilled water to a concentration not less than 0.1 mg/mL. This solution can then be diluted into other buffers.
Preparation and Storage	The lyophilized protein is stable for at least one year from date of receipt at -70 degree C. Upon reconstitution, this cytokine can be stored in working aliquots at 2-8 degree C for one month, or at -20 degree C for six months, with a carrier protein without detectable loss of activity. Avoid repeated freeze/thaw cycles.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for LIF active protein	LIF is a multifunctional secreted glycoprotein that exists in both soluble and matrix-bound forms. It displays biologic activities ranging from the differentiation of myeloid leukemic cells into macrophage lineage to effects on bone metabolism, inflammation, neural development, embryogenesis, and the maintenance of implantation. It is now clear that LIF is related in both structure and mechanism of action to the interleukin IL-6 family of cytokines, which also includes IL-11, ciliary neurotrophic factor, oncostatin M, and cardiotrophin 1. The actions of these cytokines are mediated through specific cell-surface receptors that consist of a unique chain and the shared signal transducing subunit gp130.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	88014736
NCBI GeneID	16878
NCBI Accession #	NP_001034626.1
NCBI GenBank Nucleotide #	NP_001034626.1
UniProt Accession #	P09056
Molecular Weight	20.0 kDa
NCBI Official Full Name	leukemia inhibitory factor isoform b
NCBI Official Synonym Full Names	leukemia inhibitory factor
NCBI Official Symbol	Lif
NCBI Protein Information	leukemia inhibitory factor
UniProt Protein Name	Leukemia inhibitory factor
UniProt Gene Name	Lif
UniProt Synonym Gene Names	LIF; D factor
UniProt Entry Name	LIF_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.