Recombinant Porcine LIF

Cat No:HR2R2238

For research use only

Overview

Quantity	10 ?g
Gene Symbol	LIF
Gene ID	399503
Accession	Q9GKZ8
Alternative Name	LIF, Differentiation-stimulating factor, D factor, Melanoma-derived LPL inhibitor (MLPLI) Recombinant Porcine Leukemia Inhibitory Factor (LIF)
Species	Rat
Source	E. coli
Description	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 IL6 family of cytokines, which also includes IL11, 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.
Functions	N/A
Formulation	Lyophilized from a 0.2 ?m filtered PBS pH 7.0
Solubility	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.
Appearance	Lyophilized Powder
Molecular Weight	20
Purity	>95% as determined by SDS-PAGE
Concentration	<1.0 EU/?g of recombinant protein as determined by the LAL method
Shipping Condition	Ambient Temperature
Storage Condition	Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favourable performance, avoid repeated handling and multiple freeze/thaw cycles.