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Product Datasheet

Recombinant Human LIF EBT-EPT153

Article Name	Recombinant Human LIF
Biozol Catalog Number	EBT-EPT153
Supplier Catalog Number	EPT153
Alternative Catalog Number	EBT-EPT153-10
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Leukemia Inhibitory Factor is produced by our E.coli expression system and the target gene encoding Ser23-Phe202 is expressed....
Molecular Weight	Molecular weight: 19.7 KDa. Apparent molecular weight: 18 KDa, reducing conditions
UniProt	P15018
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.001 ng/ μ g (0.01 EU/ μ g) as determined by LAL test. Background: Leukemia Inhibitory Factor (LIF) is a lymphoid factor that promotes long-term maintenance of embryonic stem cells by suppressing spontaneous differentiation. LIF has a number of other activities including cholinergic neuron differentiation, control of stem cell pluripotency, bone and fat metabolism, mitogenesis of certain factor dependent cell lines and promotion of megakaryocyte production *in vivo*. Human and murine mature LIF exhibit a 78% sequence identity at the amino acid level. Human LIF is equally active on human and mouse cells. Murine LIF is approximately 1000 fold less active on human cells than human LIF