

Product datasheet for **TP726599**

LIF Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Leukemia Inhibitory Factor/LIF
Species:	Human
Expression cDNA Clone or AA Sequence:	Ser23-Phe202
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Leukemia Inhibitory Factor is produced by our E.coli expression system and the target gene encoding Ser23-Phe202 is expressed.
Stability:	12 months from date of despatch
Locus ID:	3976
UniProt ID:	P15018
Summary:	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.



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