

Product datasheet for **TP750005**

Lif (NM_008501) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of Mus musculus leukemia inhibitory factor (Lif) produced in E. coli.
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, MR223120, encoding the domain (Ser24-Phe203) of mouse Lif
Tag:	Tag Free
Predicted MW:	19.9 kDa
Concentration:	Resuspend the protein to the desired concentration in proper buffer.
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Lyophilized from a sterile solution containing 20 mM PB, pH 7.4
Bioactivity:	Measured by its ability to induce differentiation of M1 cells. ED50 for this effect is typically 0.20-0.30 ng/ml.
Endotoxin:	< 0.1 EU per 1 µg of the protein by the LAL
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_032527
Locus ID:	16878
UniProt ID:	P09056
RefSeq Size:	4015
Cytogenetics:	11 2.94 cM
RefSeq ORF:	609



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Summary:

LIF has the capacity to induce terminal differentiation in leukemic cells. Its activities include the induction of hematopoietic differentiation in normal and myeloid leukemia cells, the induction of neuronal cell differentiation, and the stimulation of acute-phase protein synthesis in hepatocytes.[UniProtKB/Swiss-Prot Function]

Product images: