Bioactive

Lif (Mouse) Recombinant Protein

Catalog # P8133 Size 1 mg

Specification

Product Description	Mouse LIF (P09056) recombinant protein expressed in *Escherichia coli*.
Sequence	MSPLPITPVNATCAIRHPCHGNLMNQIKNQLAQLNGSANALFISYYTAQGEPFPNNVEKLCAPNMT DFPSFHGNGTEKTKLVELYRMVAYLSASLTNITRDQKVLNPTAVSLQVKLNATIDVMRGLLSNVLC RLCNKYRVGHVDVPPVPDHSDKEAFQRKKLGCQLLGTYKQVISVVVQAF
Host	Escherichia coli
Theoretical MW (kDa)	20
Form	Lyophilized
Preparation Method	*Escherichia coli* expression system
Purity	> 95% by SDS-PAGE > 95% RP-HPLC
Activity	Activity of murine LIF was determined by the M1 cell differentiation assay which was found to be < 0. 01 ng/mL, corresponding to a specific activity of 100,000,000 IU/mg._x005F_x005F_x005F_x000D __x005F_x000D_ A standard of 50 Units is defined as the concentration of mouse LIF in 1.0 mL of ti ssue culture medium that induces the differentiation of 50% of M1 colonies.
Storage Buffer	Lyophilized from 20mM Phosphate buffer pH-7.4 and 0.02% Tween-20
Storage Instruction	Lyophilized although stable at room temperature for 3 weeks, should be stored desiccated below -20 °C. Upon reconstitution should be stored at 4°Cbetween 2-7 days and for future use below -20°C. Fo r long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

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Gene Info — Lif

Entrez GeneID	16878
Protein Accession#	P09056
Gene Name	Lif
Gene Alias	-
Gene Description	leukemia inhibitory factor
Gene Ontology	Hyperlink
Other Designations	OTTMUSP00000005253

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