

Recombinant Human LIF (*E.coli*-expressed)

Catalog Number: Y03021H

Characteristics:

Source	<i>E.coli</i>
Description	Human LIF (Ser23-F202) Accession # NP_001244064.1
Predicted molecular mass	19.7 kDa

Specification:

Appearance	White powder, Colorless clear liquid after reconstitution
Purity	≥95%, by SDS-PAGE (under conditions, visualized by Coomassie staining)
Endotoxin	≤100 EU/mg by the LAL method
Activity	Measured by its ability to inhibit the proliferation of M1 mouse myeloid leukemia cells. The ED ₅₀ for this effect is typically < 0.5 ng/mL
Formulation	Lyophilized from a 0.22 μm-filtered solution containing 10mM PB, 5% Trehalose and 0.01% Tween 80, pH7.4
Size	10 μg/vial, 50μg /vial, 1 mg/vial

Handling and Storage:

Reconstitution	It is recommended to redissolve in sterile deionized water.
Shipping	The product is shipped with blue ice
Storage & Stability	36 months at -20°C to -80°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution Use a manual defrost freezer and avoid repeated freeze-thaw cycles.