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## Recombinant Mouse LIF (his Tag)

**Product Number: CK03092**

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### Characteristics:

**Source:** Chinese Hamster Ovary cell line

**Description:** Mouse LIF (Pro25-Phe203), with a C-terminal 6-His tag.

**Accession #:** P09056

**Predicted molecular mass:** 20.6 kDa

### Specification:

**Appearance:** White powder, Colorless clear liquid after reconstitution

**Purity:**  $\geq 95\%$ , by SDS-PAGE (under conditions, visualized by Coomassie staining)

**Endotoxin:**  $\leq 10$  EU/mg by the LAL method

**Activity:** Measured in the M1 cell differentiation assay. The ED50 is  $\leq 0.2$  ng/ml.

**Formulation:** Lyophilized from a 0.22  $\mu\text{m}$ -filtered solution containing PBS, 5% Mannitol and 0.01% Tween 80, pH 7.4

**Size:** 50  $\mu\text{g}$ /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 2°C to 8°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.**