Recombinant Mouse LIF Protein

Catalog Number: PKSM041100

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

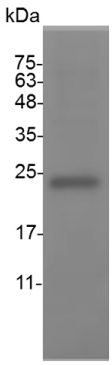
Description

Species	Mouse
Source	E.coli-derived Mouse LIF protein Ser24-Phe203 , with an N-terminal His
Calculated MW	20.7 kDa
Observed MW	17-25 kDa
Accession	P09056
Bio-activity	Measure by its ability to induce IL-6 secretion in M1 cells. The ED_{50} for this effect is <0.5 ng/mL. The specific activity of recombinant mouse LIF is > 2 x 10^6 IU/mg.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	< 0.1 EU per μg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 ℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Mouse Leukemia inhibitory factor（lif）is a secreted protein which belongs to the LIF/OSM family.LIF has been implicated in a many physiological processes including development, hematopoiesis, bone metabolism, and inflammatio n. it 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.

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