



Recombinant Protein Technical Manual

Recombinant Mouse LIF Protein

RPES2086

Product Data:

Product SKU: RPES2086

Size: 10µg

Species: Mouse

Expression host: E. coli

Uniprot: P09056

Protein Information:

Molecular Mass: 19.9 kDa

AP Molecular Mass: 18 kDa

Tag:

Bio-activity:

Purity: > 95 % as determined by SDS-PAGE

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: Leukemia inhibitory factor;Differentiation-stimulating factor;lif;D factor

Immunogen Information:

Sequence: Ser24-Phe203

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 inflammation. 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.