

Recombinant Mouse Interleukin-2/IL-2 Protein (active)

Catalog Number: PKSM041523



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

Description

Species	Mouse
Mol_Mass	18.07 kDa
Accession	P04351
Bio-activity	Measured in a cell proliferation assay using HT-2 mouse T cells. The ED50 for this effect is 0.88-3.5 ng/mL, corresponding to a specific activity of 2.86×10^5 - 1.14×10^6 units/mg.

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	≤ 0.1 EU per μg by the LAL method.
Storage	Generally, 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 $< -20^\circ\text{C}$ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

Interleukin-2(IL-2) is an interleukin; a type of cytokine signaling molecule in the immune system; belongs to the IL-2 family. It is a powerful immunoregulatory lymphokine produced by T-cells in response to antigenic or mitogenic stimulation. IL-2/IL-2R signaling is required for T-cell proliferation and other fundamental functions that are essential for the immune response. IL-2 stimulates growth and differentiation of B-cells; NK cells; lymphokine-activated killer cells; monocytes; macrophages and oligodendrocytes.

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