

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
Source	HEK293 cells-derived Mouse Interleukin-2/IL-2 protein Ala21-Gln169, with an C-terminal His
Calculated MW	18.07 kDa
Observed MW	22-25 kDa
Accession	P04351
Bio-activity	Measured in a cell proliferation assay using HT-2 mouse T cells. The ED ₅₀ 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°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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