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

Catalog Number: PKSM041523

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

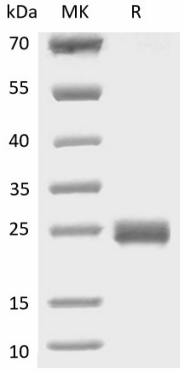
Description

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.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com