

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

Catalog Number: PKSH034200

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

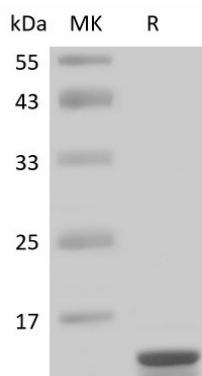
Description

Species	Human
Source	HEK293 cells-derived Human Interleukin-2/IL-2 protein Ala 21-Thr 153
Calculated MW	15.4 kDa
Observed MW	14-22 kDa
Accession	P60568-1
Bio-activity	Human IL-2 Protein, Tag Free stimulates proliferation of CTLL-2 cells. The specific activity of Human IL-2 Protein, Tag Free is $> 0.60 \times 10^7$ IU/mg, which is calibrated against human IL-2 WHO International Standard.

Properties

Purity	$> 95\%$ as determined by reducing SDS-PAGE.
Endotoxin	≤ 0.01 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 $4-8^\circ\text{C}$ 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 $0.22 \mu\text{m}$ filtered solution in PBS, pH7.4 with trehalose as protectant.
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.