

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

Catalog Number: PKSH034200

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

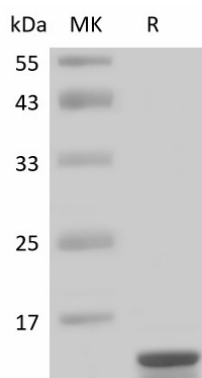
Description

| | |
|----------------------|--|
| 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.

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