A Reliable Research Partner in Life Science and Medicine

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

Catalog Number: PKSM041523

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

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**Species** Mouse

Source HEK293 cells-derived Mouse Interleukin-2/IL-2 protein Ala21-Gln 169, with an C-

terminal His

 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 2.86×105-1.14×106

units/mg.

#### **Properties**

Purity > 95 % as determined by reducing SDS-PAGE.

**Endotoxin**  $\leq 0.1 \text{ EU per } \mu \text{g by the LAL method.}$ 

**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

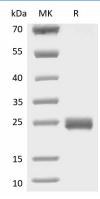
reconstituted samples are stable at < -20°C for 3 months.

**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.

### For Research Use Only