A Reliable Research Partner in Life Science and Medicine

# Recombinant Mouse IL2 Protein (His Tag)

Catalog Number: PDEM100219

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

## Description

Species Mouse

Source E.coli-derived Mouse IL2 protein Ala21-Gln169, with an N-terminal His

 Calculated MW
 17.2 kDa

 Observed MW
 19.5 kDa

 Accession
 P04351-1

**Bio-activity** Not validated for activity

### **Properties**

**Purity** > 90% as determined by reducing SDS-PAGE.

**Endotoxin** < 10 EU/mg of the protein as determined 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.

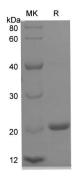
ShippingThis product is provided as lyophilized powder which is shipped with ice packs.FormulationLyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5%

Mannitol.

**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of

0.5 mg/mL. Concentration is measured by UV-Vis.

#### Data



> 90 % as determined by reducing SDS-PAGE.

### Background

IL2 is a secreted cytokine involved in the operation and regulation of immune system. IL2 plays a pivotal role in T-cell activation and effector functions, including T cell proliferation, interferon-γproduction and cytotoxicity. IL2 can stimulate the propagation of lymphocytes and induce the cytotoxic T lymphocytes and lymphokine-activated killer cells for tumor cells. IL2 also influences memory T cell homeostasis through the regulation of memory T cell numbers and enhances major histocompatibility complex II (MHC II) expression on tumor cells.

For Research Use Only