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# Recombinant Chicken IL2/IL-2/Interleukin-2 Protein(His Tag)

Catalog Number: PDEO100024

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

### Description

Species Chicken

Source E.coli-derived Chicken IL2 protein Ala23-Lys143, with an C-terminal His

 Calculated MW
 13.2 kDa

 Observed MW
 14 kDa

 Accession
 073883

Bio-activity Not validated for activity

### **Properties**

**Purity** > 95% 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.

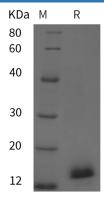
ShippingThis product is provided as lyophilized powder which is shipped with ice packs.FormulationLyophilized from a 0.2 μm filtered solution in PBS with 5% Trehalose and 5%

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**



> 95 % 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-yproduction 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.

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