

Datasheet for ABIN7092722  
**IL-2 Protein (AA 21-153) (His tag)**



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2 Images

## Overview

Quantity:	100 µg
Target:	IL-2 (IL2)
Protein Characteristics:	AA 21-153
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-2 protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human IL2 with C-terminal 6xHis tag
Specificity:	IL2 (Ala21-Thr153) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

## Target Details

Target:	IL-2 (IL2)
Alternative Name:	IL2 ( <a href="#">IL2 Products</a> )
Background:	This gene is a member of the interleukin 2 (IL2) cytokine subfamily which includes IL4, IL7, IL9,

## Target Details

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IL15, IL21, erythropoietin, and thrombopoietin. The protein encoded by this gene is a secreted cytokine produced by activated CD4 and CD8 T lymphocytes, that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine (IL2R) is a heterotrimeric protein complex whose gamma chain is also shared by IL4 and IL7. The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli. [provided by RefSeq, Sep 2020]

Molecular Weight: predicted molecular mass of 16.2 kDa after removal of the signal peptide. The apparent molecular mass of IL2-His is 15-25 kDa due to glycosylation.

UniProt: [P60568](#)

Pathways: [JAK-STAT Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Activated T Cell Proliferation](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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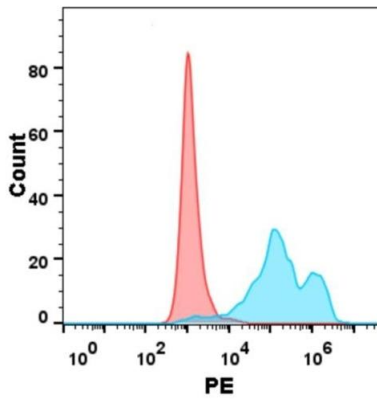
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C, -80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months



### Flow Cytometry

**Image 1.** Flow cytometry analysis with 1 µg/mL Human IL2 Protein, His tag (ABIN7092722, ABIN7272168 and ABIN7272169) on Expi293 cells transfected with human IL2RB (Blue histogram) or Expi293 transfected with irrelevant protein (Red histogram).



### SDS-PAGE

**Image 2.** Human IL2 Protein, His Tag on SDS-PAGE under reducing condition.