

Datasheet for ABIN7321270

IL-2 Protein (His tag)**1** Image[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	IL-2 (IL2)
Origin:	Rat
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-2 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Rat Interleukin-2/IL-2 Protein (His Tag)
Sequence:	Ala21-Gln155
Characteristics:	Recombinant Rat Interleukin-2 is produced by our Mammalian expression system and the target gene encoding Ala21-Gln155 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	IL-2 (IL2)
Alternative Name:	Interleukin-2/IL-2 (IL2 Products)
Background:	Background: Interleukin-2(IL-2) is a O-glycosylated four α-helix bundle cytokine that has potent stimulatory activity for antigenactivated T cells. It is expressed by CD4+ and CD8+ T cells, γδ T cells, B cells, dendritic cells, and eosinophils. Mature rat IL-2 shares 66 % and 73 % amino acid

Target Details

sequence identity with human and mouse IL-2, respectively. The receptor for IL-2 consists of three subunits that are present on the cell surface in varying preformed complexes. IL-2 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.

Synonym: Interleukin-2, IL-2, T-cell growth factor, TCGF, Aldesleukin, IL2

Molecular Weight: 16.3 kDa

UniProt: [P17108](#)

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

Restrictions: For Research Use only

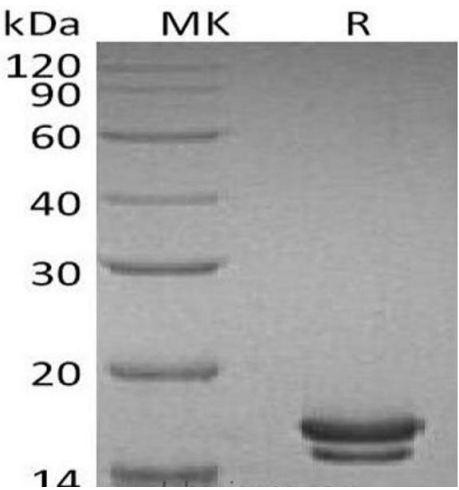
Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 5 mM NaH₂PO₄, 5 mM Citric acid, 150 mM NaCl, pH 4.0.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.



Western Blotting

Image 1.