

Datasheet for ABIN7566227

IL-2 Protein (AA 21-155) (His tag)[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	IL-2 (IL2)
Protein Characteristics:	AA 21-155
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-2 protein is labelled with His tag.

Product Details

Purpose:	IL-2 (rat) (rec.) (His)
Cross-Reactivity:	Rat
Characteristics:	Rat IL-2 (aa 21-155) is fused at the C-terminus to a His-tag.
Purity:	>95 % (SDS-PAGE)
Sterility:	Sterile filtered
Endotoxin Level:	<1EU/µg protein (LAL test, Lonza).

Target Details

Target:	IL-2 (IL2)
Alternative Name:	IL-2 (IL2 Products)
Background:	Interleukin-2, Aldesleukin

Target Details

Interleukin-2 (IL-2) is a 133 amino acid glycoprotein with one intramolecular disulfide bond and variable glycosylation. It is secreted by activated T cells and induces proliferation and maturation of activated T cells, natural killer cells and lymphokine activated killer cells. IL-2 also stimulates proliferation of antibody-producing B cells, activates neutrophils and induces mononuclear cells to secrete IFN-gamma and TNF-alpha and -beta. Moreover, studies have shown that IL-2 is required for activation-induced apoptosis, an important homeostatic mechanism in the immune system, which is involved in the maintenance of peripheral tolerance to self-antigens.

NCBI Accession:

[NP_446288](#)

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:

Lyophilized

Buffer:

Lyophilized from 0.2µm-filtered solution in PBS (pH 7.4).

Handling Advice:

Avoid freeze/thaw cycles. Centrifuge lyophilized vial before opening and reconstitution.

Storage:

4 °C, -20 °C

Storage Comment:

Short Term Storage: +4°C

Long Term Storage: -20°C

Use & Stability: Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.