

Datasheet for ABIN6253255  
**IL-2 Protein (AA 21-155) (His tag)**



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## 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Specificity:     | Rat IL-2 (aa 21-155) is fused at the C-terminus to a His-tag.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Characteristics: | <p>Protein. Rat IL-2 (aa 21-155) is fused at the C-terminus to a His-tag. Source: E. coli. Endotoxin content: &lt;1EU/µg protein (LAL test, Lonza). Lyophilized from 0.2µm-filtered solution in PBS ( pH 7.4). Purity: &gt;95 % (SDS-PAGE). 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 hemeostatic mechanism in the immune system, which is involved in the maintenance of peripheral tolerance to self-antigens.</p> |
| Purity:          | >95 % (SDS-PAGE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

## Product Details

Endotoxin Level: <1EU/μg protein (LAL test, Lonza).

## Target Details

Target: IL-2 (IL2)

Alternative Name: IL-2 ([IL2 Products](#))

Background: Alternate Names/Synonyms: Interleukin-2, Aldesleukin

Product Description: 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

Concentration: Lot specific

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

Handling Advice: Avoid freeze/thaw cycles.

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.