

Datasheet for ABIN7505694

IL-2 Protein (AA 1-153) (His tag)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IL-2 (IL2)
Protein Characteristics:	AA 1-153
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-2 protein is labelled with His tag.

Product Details

Sequence:	Met1-Thr153
Characteristics:	A DNA sequence encoding the Human IL2 protein (P60568) (Met1-Thr153) was expressed with a C-His.
Purity:	> 95 % as determined by reducing SDS-PAGE.

Target Details

Target:	IL-2 (IL2)
Alternative Name:	IL-2 (IL2 Products)
Background:	Abbreviation: IL-2 Target Synonym: Interleukin-2,IL-2,T-Cell Growth Factor,TCGF,Aldesleukin,IL4 Background: Interleukin-2(IL-2) is an interleukin, a type of cytokine signaling molecule in the immune system,belongs to the IL-2 family. It is a powerful immunoregulatory lymphokine

Target Details

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.

Molecular Weight: Calculated MW: 16.72 kDa
Observed MW: 17 kDa

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

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: 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.

Expiry Date: 12 months