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Datasheet for ABIN7505358
IL-2 Protein (AA 21-169) (His tag)

Overview

Quantity:	100 µg
Target:	IL-2 (IL2)
Protein Characteristics:	AA 21-169
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-2 protein is labelled with His tag.

Product Details

Sequence:	Ala21-Gln169
Characteristics:	A DNA sequence encoding the Mouse IL2 (P04351-1) (Ala21-Gln169) was expressed with a polyhistidine tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.

Target Details

Target:	IL-2 (IL2)
Alternative Name:	IL2 (IL2 Products)
Background:	Abbreviation: IL2 Target Synonym: Aldesleukin,IL 2,IL-2,IL2,IL2,Interleukin 2,Interleukin-2,Involved in regulation of T cell clonal expansion,Lymphokine,OTTHUMP00000164090,POIL2,T Cell Growth Factor,T-cell growth factor,TCGF

Target Details

Background: IL2 is a secreted cytokine involved in the operation and regulation of immune system. IL2 plays a pivotal role in T-cell activation and effector functions, including T cell proliferation, interferon- γ production and cytotoxicity. IL2 can stimulate the propagation of lymphocytes and induce the cytotoxic T lymphocytes and lymphokine-activated killer cells for tumor cells. IL2 also influences memory T cell homeostasis through the regulation of memory T cell numbers and enhances major histocompatibility complex II (MHC II) expression on tumor cells.

Molecular Weight: Calculated MW: 17.2 kDa
Observed MW: 19.5 kDa

UniProt: [P04351-1](#)

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