

Datasheet for ABIN7281215

IL-2 Protein (AA 21-155, C147S) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	IL-2 (IL2)
Protein Characteristics:	AA 21-155, C147S
Origin:	Dog
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHMAPITS SSTKETEQQM EQLLDLQLL LNGVNNYENP QLSRMLTFKF YTPKKATEFT HLQCLAEELK NLEEVGLPQ SKNVHLTDTK ELISNMNVTL LKLKGSETSY NCEYDDETAT ITEFLNKWIT FSQSIFSTLT
Purity:	> 95 % by SDS - PAGE
Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)

Target Details

Target:	IL-2 (IL2)
Alternative Name:	IL2 (IL2 Products)
Background:	IL2, also known as Interleukin2, is an immunoregulatory lymphokine produced by T-cell in response to antigenic or mitogenic stimulation IL2/IL-2R signaling is required for T-cell

Target Details

proliferation and other fundamental functions which are essential for the immune response. IL2 stimulates growth and differentiation of B-cells, NK cells, lymphokine activated kill cells, monocytes, macrophages and oligodendrocytes. Recombinant canine IL2 protein was expressed in E.coli and purified by using conventional chromatography techniques.

Molecular Weight: 18.1kDa (160 aa) confirmed by MALDI-TOF

NCBI Accession: [NP_001003305](#)

UniProt: [Q29416](#)

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

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

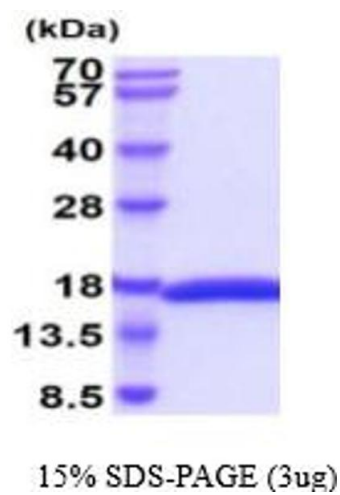
Format: Liquid

Concentration: 0.5 mg/mL

Buffer: Liquid. In Phosphate Buffer Saline(pH 7.4)

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.