

Datasheet for ABIN7596217
IL-2 Protein (C146S) (His tag)



[Go to Product page](#)

Overview

Quantity:	20 µg
Target:	IL-2 (IL2)
Protein Characteristics:	C146S
Origin:	Cat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-2 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	APASSST KETQQLEQL LLDLRLLLNG VNNPENPKLS RMLTFKFYVP KKATELTHLQ CLVEELKPLE EVLYLAQSKN FHLNHIKELM SNINVTVLKL KGSETRFTCN YDDETATIVE FLNKWITFCQ SIFSTLT
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1µg of protein (determined by LAL method)
Biological Activity Comment:	Measured in a cell proliferation assay using CTLL2 mouse cytotoxic T cells. The ED50 range ≤0.3ng/ml.

Target Details

Target:	IL-2 (IL2)
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Target Details

Alternative Name:	IL-2 (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 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 feline IL2 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Molecular Weight:	17.8 kDa (157aa) Confirmed by MALDI-TOF
NCBI Accession:	NP_001036802
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:	0.25 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.