

Datasheet for ABIN7596215 **IL-2 Protein (AA 21-155)**

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Overview

Quantity:	250 µg
Target:	IL-2 (IL2)
Protein Characteristics:	AA 21-155
Origin:	Rat
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	SDS-PAGE (SDS), Activity Assay (AcA)

Product Details

Sequence:	MAPTSSPAKE TQQHLEQLLL DLQVLLRGID NYKNLKLPMML TFKFYLPKQ ATELKHLQCL ENELGALQRV LDLTQSKSFH LEDAGNFISN IRVTWVKLKG SENKFECQFD DEPATVVEFL RRWIAICQSI ISTMTQ
Purity:	> 90% 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 for this effect is less or equal to 0.3ng/ml.

Target Details

Target:	IL-2 (IL2)
Alternative Name:	IL-2 (IL2 Products)

Target Details

Background:	IL-2, also known as T cell growth factor (TCGF), is an immunoregulatory lymphokine 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 which 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. Recombinant rat IL-2 was expressed in E. coli and purified by using conventional chromatography techniques.
Molecular Weight:	15.6 kDa (136aa) confirmed by MALDI-TOF
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

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.