

Datasheet for ABIN5505697

IL-2 Protein



[Go to Product page](#)

Overview

Quantity:	10 µg
Target:	IL-2 (IL2)
Origin:	Human
Source:	Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Application:	Functional Studies (Func), Standard (STD), Antibody Production (AbP), Protein Interaction (PI)

Product Details

Specificity:	Optimal preservation of protein structure, post-translational modifications and functions.
Characteristics:	• Recombinant human Interleukin-2 / IL2 protein expressed in Insect cells. • Produced with end-sequenced ORF clone • Tested for bioactivity.
Purity:	Purity is > 95 % , as determined by Coomassie stained SDS-PAGE.
Endotoxin Level:	Less than 0.01 ng per µg protein as determined by the LAL method.
Biological Activity Comment:	The ED50 is 0.5 - 2.0 ng/ml, corresponding to a specific activity of 0.5 - 2.0x10 ⁶ units/mg, determined by the dose dependent stimulation of CTLL2 cell proliferation.

Target Details

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

Target Details

Background:	Produced by T-cells in response to antigenic or mitogenic stimulation, this protein is required for T-cell proliferation and other activities crucial to regulation of the immune response. Can stimulate B-cells, monocytes, lymphokine-activated killer cells, natural killer cells, and glioma cells. [UniProtKB/Swiss-Prot Function]
Molecular Weight:	15.4 kDa
NCBI Accession:	NP_000577
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:	Recombinant human proteins can be used for: Native antigens for optimized antibody production Positive controls in ELISA and other antibody assays Protein-protein interaction In vitro biochemical assays and cell-based functional assays
Restrictions:	For Research Use only

Handling

Concentration:	> 50 µg/mL
Buffer:	10 mM NaH ₂ PO ₄ , pH 7.2, 150 mM NaCl.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.