

Datasheet for ABIN2018118  
**IL-4 Protein (AA 23-147) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	25 µg
Target:	IL-4 (IL4)
Protein Characteristics:	AA 23-147
Origin:	Rat
Source:	CHO Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-4 protein is labelled with His tag.

## Product Details

Characteristics:	ED50 < 0.2 µg/mL, measured in a proliferation assay using C6 cells. AA 23-147, expressed with C-terminal 6xHis.
Purity:	> 95 % as analyzed by SDS-PAGE.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

## Target Details

Target:	IL-4 (IL4)
Alternative Name:	Interleukin-4 (IL-4) ( <a href="#">IL4 Products</a> )
Background:	Interleukin-4 (IL-4), also known as BSF-1 and Lymphocyte stimulatory factor 1, is a secreted cytokine belonging to the IL-4/IL-13 family. It is produced by mast cells, T cells and bone marrow stromal cells. IL-4 signals through two receptor complexes: the IL4Ralpha/common

## Target Details

gamma chain and the IL4Ralpha-IL-13 Ralpha1 receptor complex. IL-4 regulates T cell and B cell proliferation, survival and gene expression. IL-4 also induces IgG and IgE class switching, and the upregulation of MHC-II production.

Synonyms: BSF-1, Lymphocyte stimulatory factor 1

Molecular Weight: 18-22 kDa, observed by reducing SDS-PAGE.

UniProt: [P20096](#)

Pathways: [JAK-STAT Signaling](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#), [Proton Transport](#), [Activated T Cell Proliferation](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH<sub>2</sub>O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant rat Interleukin-4 (IL-4), His remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, rat Interleukin-4 (IL-4), His should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Expiry Date: 6 months