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Datasheet for ABIN7505720

**IL-3 Protein (AA 1-152) (His tag)**

## Overview

Quantity:	100 µg
Target:	IL-3
Protein Characteristics:	AA 1-152
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL-3 protein is labelled with His tag.

## Product Details

Sequence:	Met1-Phe152
Characteristics:	A DNA sequence encoding the Human IL3 protein (P08700) (Met1-Phe152) was expressed with a C-His.
Purity:	> 95 % as determined by reducing SDS-PAGE.

## Target Details

Target:	IL-3
Alternative Name:	Interleukin-3 ( <a href="#">IL-3 Products</a> )
Background:	Abbreviation: Interleukin-3,IL-3 Target Synonym: Interleukin-3,IL-3,Hematopoietic Growth Factor,Mast Cell Growth Factor,MCGF,Multipotential Colony-Stimulating Factor,P-Cell-Stimulating Factor,IL3 Background: Interleukin-3 (IL-3) is a potent growth promoting cytokine. IL-3 can stimulate the

## Target Details

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proliferation and differentiation of pluripotent hematopoietic stem cells as well as various lineage committed progenitors. IL-3 exerts its biological function through binding to specific cell surface receptors. The amino acid sequences of this protein among different species share relatively low identity and its activity is highly species-specific. IL-3 has also been shown to possess neurotrophic activity, and is thought to be associated with neurologic disorders.

Molecular Weight: Calculated MW: 16.61 kDa  
Observed MW: 38 kDa

UniProt: [P08700](#)

Pathways: [JAK-STAT Signaling](#), [Regulation of Carbohydrate Metabolic Process](#), [Autophagy](#)

## Application Details

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Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4.  
Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.  
Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Expiry Date: 12 months