

## Datasheet for ABIN7318667 **IL-3 Protein (His tag)**

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### Overview

Quantity:	50 µg
Target:	IL-3
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL-3 protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human Interleukin-3/IL-3 Protein (Human Cells, His Tag)(Active)
Sequence:	Ala20-Phe152
Characteristics:	Recombinant Human Interleukin-3 is produced by our Mammalian expression system and the target gene encoding Ala20-Phe152 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.
Biological Activity Comment:	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is 0.3-1.5 ng/ml.

### Target Details

Target:	IL-3
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## Target Details

Alternative Name:	Interleukin-3/IL-3 ( <a href="#">IL-3 Products</a> )
Background:	<p>Background: Interleukin-3 (IL-3) is a potent growth promoting cytokine. IL-3 can stimulate the 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.</p> <p>Synonym: Interleukin-3, IL-3, Hematopoietic Growth Factor, Mast Cell Growth Factor, MCGF, Multipotential Colony-Stimulating Factor, P-Cell-Stimulating Factor, IL3</p>
Molecular Weight:	16.1 kDa
UniProt:	<a href="#">P08700</a>
Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Regulation of Carbohydrate Metabolic Process</a> , <a href="#">Autophagy</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>