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Datasheet for ABIN7320592

## IL-3 Protein (His tag)

### 1 Image

#### Overview

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

#### Product Details

Purpose:	Recombinant Mouse Interleukin-3/IL-3 Protein (His Tag)
Sequence:	Ala27-Cys166
Characteristics:	Recombinant Mouse Interleukin-3 is produced by our Mammalian expression system and the target gene encoding Ala27-Cys166 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

#### Target Details

Target:	IL-3
Alternative Name:	Interleukin-3/IL-3 ( <a href="#">IL-3 Products</a> )
Background:	Background: Interleukin 3 is a pleiotropic factor produced primarily by activated T cells that can stimulate the proliferation and differentiation of pluripotent hematopoietic stem cells as well as various lineage committed progenitors. In addition, IL-3 also affects the functional activity of

## Target Details

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mature mast cells, basophils, eosinophils and macrophages. Because of its multiple functions and targets, it was originally studied under different names, including mast cell growth factor P-cell stimulating factor, burst promoting activity, multi-colony stimulating factor, thy-1 inducing factor and WEHI-3 growth factor. In addition to activated T cells, other cell types such as human thymic epithelial cells, activated mouse mast cells, mouse keratinocytes and neurons/astrocytes can also produce IL-3. IL-3 exerts its biological activities through binding to specific cell surface receptors. The high affinity receptor responsible for IL-3. signaling is composed of  $\alpha$  and  $\beta$  subunits. IL-3 is capable of supporting the proliferation of a broad range of hematopoietic cell types. It is involved in a variety of cell activities such as cell growth, differentiation and apoptosis. IL-3 has been shown to also possess neurotrophic activity, and it may be associated with neurologic disorders.

Synonym: Interleukin-3, IL-3, Hematopoietic growth factor, Multipotential colony-stimulating factor, P-cell-stimulating factor, IL3, IL-3, Mast cell growth factor, MCGF

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Molecular Weight: 16.5 kDa

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UniProt: [P01586](#)

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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

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Reconstitution: Please refer to the printed manual for detailed information.

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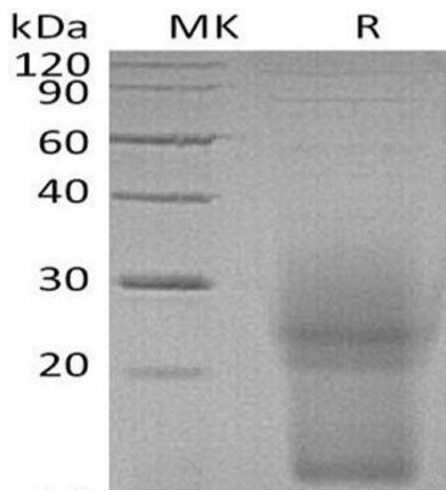
Buffer: Lyophilized from a 0.2  $\mu$ m filtered solution of PBS, pH 7.4.

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Storage: 4 °C, -20 °C, -80 °C

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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.



### Western Blotting

Image 1.