

## Datasheet for ABIN1589649 IL-3 Protein



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### Overview

Quantity:	2 µg
Target:	IL-3
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

### Product Details

Purpose:	IL-3
Sequence:	MAPMTQTTP LKTSWVNC SNMIDEIITHLKQ PPLPLLD FNNLNGEDQDILM ENNLRRPNLE AFNRAVKSLQ NASAIESILK NLLPCLPLAT AAPTRHPIHI KGDWNEFRRLKTFYFKTLE NAQAQQTTLS LAIF
Specificity:	Chromosomal location:5q31.1
Characteristics:	Length (aa):134
Purity:	> 98 % by SDS-PAGE
Endotoxin Level:	< 0.1 ng per µg (IEU/µg) of rh IL-3

### Target Details

Target:	IL-3
Alternative Name:	IL-3 ( <a href="#">IL-3 Products</a> )

## Target Details

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Background:	IL-2 stimulates growth and differentiation of B-cells, NK cells, lymphokine activated killer cells, monocytes, macrophages and oligodendrocytes. Synonyms: IL3, IL-3, MCGF, MULTI-CSF
Molecular Weight:	15.0 kDa
Gene ID:	3562
NCBI Accession:	<a href="#">NM_000588</a> , <a href="#">NP_000579</a>
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

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Application Notes:	The ED50 as determined by the dose-dependent stimulation of the proliferation of TF-1 cells is < 0.1 - 0.5 ng/mL. The WHO standard #91/510 was used as a control.
Comment:	Cytokines & Growth Factors
Restrictions:	For Research Use only

## Handling

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Format:	Lyophilized
Reconstitution:	The lyophilized IL-3 should be reconstituted in water to a concentration not less than 100 µg/mL. This solution can be diluted into other buffered solutions or stored at -20 °C for future use.
Buffer:	PBS
Storage:	RT, 0 °C, -20 °C
Storage Comment:	The lyophilized IL-3, though stable at room temperature, is best stored desiccated below 0°C. Reconstituted IL-3 should be stored in working aliquots at -20°C.