

For Research Use Only

# Recombinant Human IL-3 protein (His Tag)



Catalog Number: Eg0829

## Basic Information

**Species:**  
Human

**Purity:**  
>90 %, SDS-PAGE

**Tag:**  
His Tag

## Technical Specifications

**Purity:**

>90 %, SDS-PAGE

**Endotoxin Level:**

<0.1 EU/  $\mu$ g protein, LAL method

**Source:**

HEK293-derived Human IL-3 protein Ala20-Phe152 (Accession# P08700) with a His tag at the C-terminus.

**GeneID:**

3562

**Accession:**

P08700

**Predicted Molecular Mass:**

15.9 kDa

**SDS-PAGE:**

17-30 kDa, reducing (R) conditions

**Formulation:**

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

## Biological Activity

Not tested

## Storage and Shipping

**Storage:**

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

**Shipping:**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

## Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

## Background

Interleukin-3 (IL-3) is a multilineage hematopoietic growth factor that promotes the proliferation, differentiation and survival of early multilineage hematopoietic progenitors. In particular, this cytokine plays a key role in stimulating the proliferation and survival of myeloid precursors. It is involved in a variety of cell activities such as cell growth, differentiation and apoptosis. This cytokine has been shown to also possess neurotrophic activity, and it may be associated with neurologic disorders.

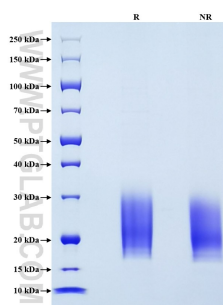
## References

1. Huixian Hong. et al. (2013). Biochem Biophys Res Commun. 440(4):545-50.
2. Y C Yang. et al. (1989). Hematol Oncol Clin North Am. 3(3):441-52.
3. B E Barton. et al. (1989). J Immunol.143(10):3211-6.

## Synonyms

IL3, IL-3, IL 3, Interleukin 3, Interleukin-3

## Selected Validation Data



Purity of Recombinant Human IL-3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.