

9853 Pacific Heights Blvd. Suite D. San Diego, CA 92121, USA Tel: 858-263-4982

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## 32-12140: Human Interleukin-3 (AF)

 Gene :
 IL3

 Gene ID :
 3562

 Uniprot ID :
 P08700

Alternative Name: Hematopoietic growth factor, Mast cell growth factor, Multipotential colony-stimulating factor, P-cell-

stimulating factor

## **Description**

Source: Genetically modified E.coli.

Predicted MW:Â Monomer, 15.2 kDa (134 aa)

Interleukin 3 (IL-3) is a cytokine that is produced by activated T cells and mast cells. IL-3 induces the differentiation of hematopoietic stem cells into myeloid precursor cells, such as erythrocyte, megakaryocyte, granulocyte, monocyte, and dendritic cells. IL-3 also functions in the nervous system and is important during the B-1 cell regulation of chronic inflammatory diseases.

## **Product Info**

**Amount :**  $10 \mu g / 100 \mu g$ 

**Purification:** Reducing and Non-Reducing SDS PAGE at >= 95%

Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA) or New Formulation with: Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, 150 mM sodium chloride, pH 7.5 (available

**Content :** by request until we run out of the TFA formulation lots).

Sterile 10 mM acetic acid of 0.1 mg/mL for TFA formulation or Sterile water at 0.1 mg/mL for

PBS formulation.

**Storage condition :** Store at -20°C

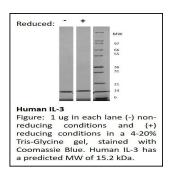
Amino Acid: MAPMTQTTPL KTSWVNCSNM IDEIITHLKQ PPLPLLDFNN LNGEDQDILM ENNLRRPNLE AFNRAVKSLQ

NASAIESILK NLLPCLPLAT AAPTRHPIHI KDGDWNEFRR KLTFYLKTLE NAQAQQTTLS LAIF

## **Application Note**

**Endotoxin:** Less than 0.1 ng/ $\tilde{A}$  $\square \hat{A}\mu g$  (1 IEU/ $\tilde{A}$  $\square \hat{A}\mu g$ ) as determined by LAL test.

Biological Activity was determined by TF-1 cell proliferation at <=2 ng/mL;  $>=5.0 \times 10^5$  units/mg . Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at  $-80\text{\AA}$  $\square$ Å°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss.





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Human II.-3 induced Prolferation of TF-1 Cells

220 0 0

121216-4 0.001 0.01 0.1 1 10

Recombinant Human I.-3 (nght.)