

## Active GMP Recombinant Human IL3 protein

Cat. No. IL3-075HG Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Active GMP Recombinant Human IL3 protein was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E. coli
<b>Form</b>	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, 0.02% Tween-20, pH 7.0.
<b>Bio-activity</b>	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The specific activity of recombinant human IL-3 is >1.0 x 10 <sup>6</sup> IU/mg, which is calibrated against the human IL-3 WHO International Standard (NIBSC code: 91/510).
<b>Molecular Mass</b>	Approximately 15.0 kDa, a single non-glycosylated polypeptide chain containing 133 amino acids.
<b>AASequence</b>	APMTQTTSLK TSWVNCNMI DEIITHLKQP PLPLDFNNL NGEDQDILME NNLRRPNLEA FNRAVKS LQN ASAIESILKN LLPCLPLATA APTRHPIHIK DGDWNEFRRK LTFYKLTLEN AQAQQTTL SL AIF
<b>Endotoxin</b>	Less than 0.01 EU/g of rHuIL-3 GMP as determined by LAL method.
<b>Purity</b>	> 98 % by SDS-PAGE and HPLC analyses.

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**Storage**

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

## GENE INFORMATION

**Gene Name**

[IL3 interleukin 3 \(colony-stimulating factor, multiple\) \[ Homo sapiens \]](#)

**Official Symbol**

[IL3](#)

**Synonyms**

IL3; interleukin 3 (colony-stimulating factor, multiple); interleukin-3; hematopoietic growth factor; IL 3; mast cell growth factor; MCGF; MGC79398; MGC79399; MULTI CSF; multilineage colony stimulating factor; P cell stimulating factor; mast-cell growth factor; P-cell stimulating factor; P-cell-stimulating factor; multilineage-colony-stimulating factor; multipotential colony-stimulating factor; IL-3; MULTI-CSF;

**Gene ID**

[3562](#)

**mRNA Refseq**

[NM\\_000588](#)

**Protein Refseq**

[NP\\_000579](#)

**MIM**

[147740](#)

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UniProt ID P08700

SDS-PAGE

HPLC

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