

Active GMP Recombinant Human IL3 protein

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

SPECIFICATION

Product Overview	Active GMP Recombinant Human IL3 protein was expressed in E. coli.
Species	Human
Source	E. coli
Form	Lyophilized from a 0.2 µm filtered concentrated solution in PBS, 0.02% Tween-20, pH 7.0.
Bio-activity	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 ⁶ IU/mg, which is calibrated against the human IL-3 WHO International Standard (NIBSC code: 91/510).
Molecular Mass	Approximately 15.0 kDa, a single non-glycosylated polypeptide chain containing 133 amino acids.
AASequence	APMTQTTSK TSWVNCNMI DEIITHLKQP PLPLDFNNL NGEDQDILME NNLRRPNLEA FNRAVKSQK ASAIESILKN LLPCLPLATA APTRHPIHK DGDWNEFRRK LTFYKLTLEN AQAQQTTLST AIF
Endotoxin	Less than 0.01 EU/g of rHuIL-3 GMP as determined by LAL method.
Purity	> 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
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SDS-PAGE

HPLC

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