

Active Recombinant Human IL3 Protein, Pre-aliquoted

Cat. No. IL3-07H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL3 Protein, Ala20 - Phe152, with and without an N-terminal Met, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ala20-Phe152, with and without an N-terminal Met
Description	The protein encoded by this gene is a potent growth promoting cytokine. This cytokine is capable of supporting the proliferation of a broad range of hematopoietic cell types. 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.
Bio-activity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED50 for this effect is 0.02-0.1 ng/mL.
Molecular Mass	Predicted Molecular Mass:15 kDa SDS-PAGE: 14 kDa, reducing conditions
N-terminal Sequence Analysis	Ala20 and Met
Endotoxin	< 0.10 EU/μg of the protein by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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Purity	> 97% by SDS-PAGE under reducing conditions and visualized by silver stain.
Stability	<p>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none"> • 6 months from date of receipt at room temperature as supplied. • 12 months from date of receipt at 2-8 centigrade as supplied. • 1 month at 2-8 centigrade under sterile conditions after reconstitution. • 3 months at -20 to -80 centigrade under sterile conditions after reconstitution.
Reconstitution	For a stock solution, reconstitute at 100 µg/mL in sterile PBS, or simply roll ProDot directly into cell culture medium for immediate use.
Shipping	The product is shipped at ambient temperature.

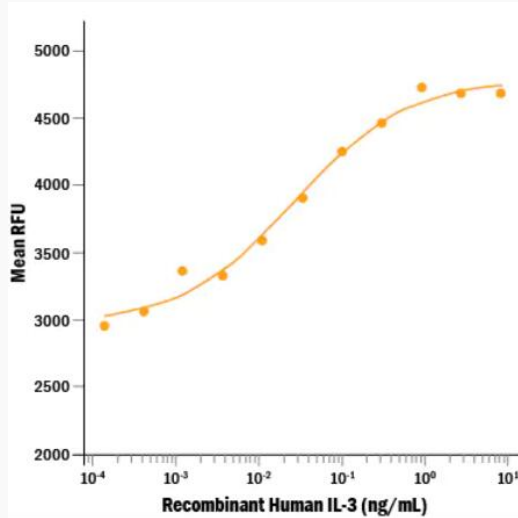
GENE INFORMATION

Gene Name	IL3 interleukin 3 [Homo sapiens (human)]
Official Symbol	IL3
Synonyms	IL3; interleukin 3; IL-3; MCGF; MULTI-CSF; interleukin-3; P-cell stimulating factor; colony-stimulating factor, multiple; hematopoietic growth factor; mast-cell growth factor; multilineage-colony-stimulating factor; multipotential colony-stimulating factor
Gene ID	3562
mRNA Refseq	NM_000588
Protein Refseq	NP_000579
MIM	147740

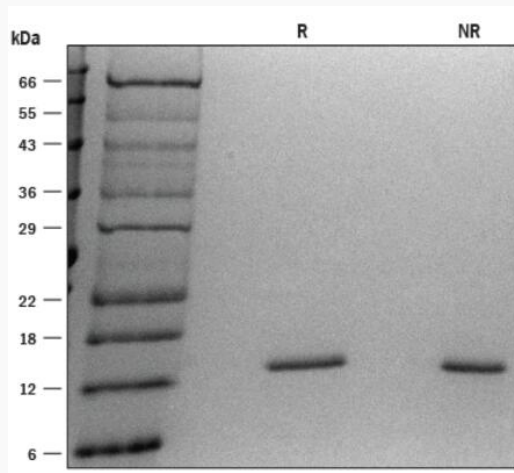
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UniProt ID
P08700
Bio-activity


Recombinant Human IL-3 stimulates cell proliferation of the TF-1 human erythroleukemic cell line. The ED50 for this effect is 0.02-0.1 ng/mL.

SDS-PAGE


1 µg/lane of Recombinant Human IL-3 was resolved with SDS-PAGE under reducing

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(R) and non-reducing (NR) conditions and visualized with silver staining, showing a single band at 14 kDa.

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