Active Recombinant Human IL3 Protein (Ala20-Phe152), GMP Grade, Animal-Free

Cat. No. IL3-26HG **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GMP recombinant human IL-3 protein (Ala20-Phe152) with and without an N-terminal Met was expressed in E. coli, produced in an Animal-Free laboratory and manufactured and tested under cGMP guidelines.
Species	Human
Source	E.coli
ProteinLength	Ala20-Phe152
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. The specific activity of recombinant human IL-3 is >1.7 x 106 IU/mg, which is calibrated against the human IL-3 WHO International Standard.
Molecular Mass	Predicted Molecular Mass: 15 kDa
N-terminal Sequence	Met-Ala-Pro-Met-Thr-Gln-Thr-Thr-Ser-Leu

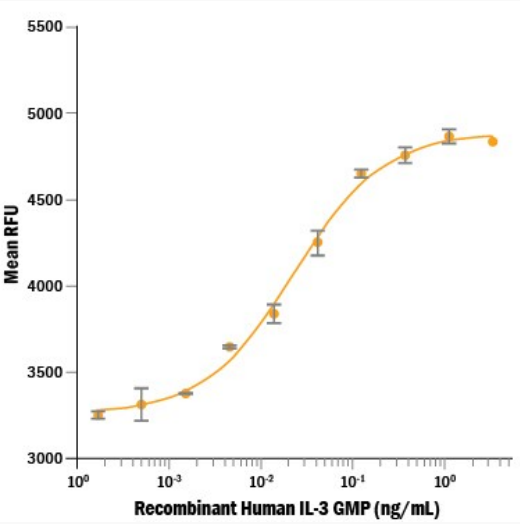
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45-1 Ramsey Road, Shirley, NY 11967, USA

Analysis	Ala-Pro-Met-Thr-Gln-Thr-Thr-Ser-Leu-Lys
Endotoxin	<0.10 EU/ μg of the protein by the LAL method.
Purity	>97%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. A minimum of 12 months when stored at ≤ -20 centigrade as supplied. Refer to lot specific COA for the Use by Date. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, ≤ -20 centigrade under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 100 μg/mL in PBS.
Shipping	The product is shipped with polar packs.

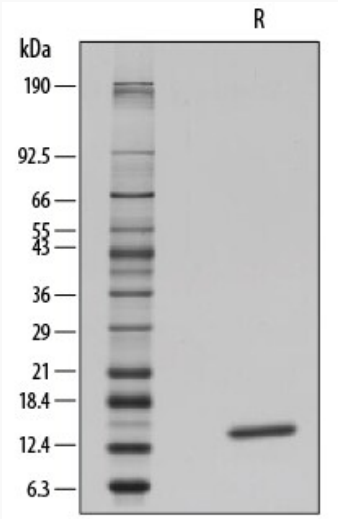
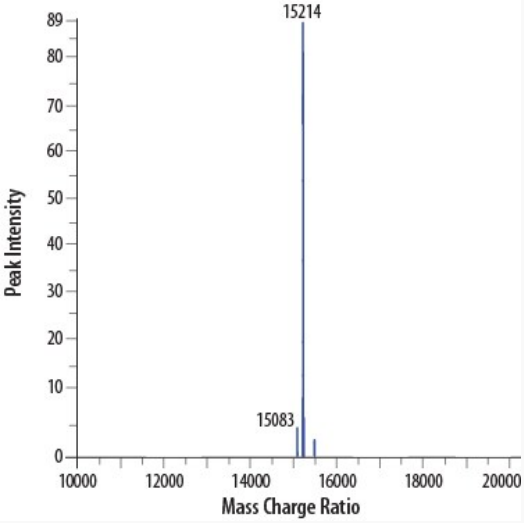
GENE INFORMATION

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

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mRNA Refseq	NM_000588
Protein Refseq	NP_000579
MIM	147740
UniProt ID	P08700
Bioactivity	

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SDS-PAGE	
Mass Spectrometry	

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