Active Recombinant Human IL3 protein, His-tagged

Cat. No. IL3-378H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human IL3 protein(NP_000579.2) (Met 1-Phe 152) was expressed in Insect Cells, fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	Insect Cells
ProteinLength	1-152 aa
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.4.
Bio-activity	1. Measured in a cell proliferation assay using TF1 human erythroleukemic cells (Kitamura, T. et al. 1989 J. Cell Physiol. 140: 323.). The ED50 for this effect is typically 0.3-1.5 ng/ml. 2. Measured by its binding ability in a functional ELISA. Immobilized human IL3 at 20 μg/ml (100 μl/well) can bind human IL3Ra with a linear ranger of 0.064-1.6 μg/ml. Immobilized human IL3 at 20 μg/ml (100 μl/well) can bind biotinylated human IL3Ra with a linear ranger of 0.32-1.6 μg/ml.
Molecular Mass	The recombinant human IL3 consists of 143 amino acids and predicts a molecular mass of 16.5 kDa. It migrates as an approximately 19 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE

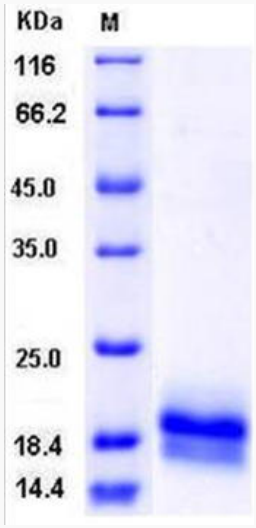
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Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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
UniProt ID	P08700

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SDS-PAGE	

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