

Active Recombinant Rat IL3 Protein, His-tagged

Cat. No. IL3-1093R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant rat IL3 (NP_113701.1) (Met 1-Cys 169) was fused with a polyhistidine tag at the C-terminus.
Species	Rat
Source	Insect Cells
ProteinLength	1-169 a.a.
Predicted N Terminal	Ile 27
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.0, 10% gly1, 5%~8% trehalose and mannitol.
Bio-activity	Measured in a cell proliferation assay using FDC-P1 cells. The ED50 for this effect is typically 2-8 ng/mL.
Molecular Mass	The secreted recombinant rat IL3 comprises 153 amino acids with and has a predicted molecular mass of 17.5 kDa. It migrates as an approximately 24 kDa band in reduced SDS-PAGE.
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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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted 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 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IL3 interleukin 3 [<i>Rattus norvegicus</i>]
Official Symbol	IL3
Synonyms	IL3; interleukin 3; interleukin-3; IL-3; MCGF; mast cell growth factor; P-cell-stimulating factor; hematopoietic growth factor; multipotential colony-stimulating factor;
Gene ID	24495
mRNA Refseq	NM_031513
Protein Refseq	NP_113701
MIM	
UniProt ID	
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Asthma, organism-specific biosystem; Asthma, conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserve

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Function

cytokine activity; cytokine activity; cytokine activity; cytokine activity; growth factor activity; growth factor activity; interleukin-3 receptor binding;

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