

## Active Recombinant Rat IL3 Protein, His-tagged

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

### SPECIFICATION

|                             |  |
|-----------------------------|--|
| <b>Product Overview</b>     | Recombinant rat IL3 (NP_113701.1) (Met 1-Cys 169) was fused with a polyhistidine tag at the C-terminus.  |
| <b>Species</b>              | Rat  |
| <b>Source</b>               | Insect Cells   |
| <b>ProteinLength</b>        | 1-169 a.a.   |
| <b>Predicted N Terminal</b> | Ile 27   |
| <b>Form</b>                 | Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.0, 10% gly1, 5%~8% trehalose and mannitol.  |
| <b>Bio-activity</b>         | Measured in a cell proliferation assay using FDC-P1 cells. The ED50 for this effect is typically 2-8 ng/mL.  |
| <b>Molecular Mass</b>       | 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. |
| <b>Endotoxin</b>            | < 1.0 EU per µg of the protein as determined by the LAL method.  |
| <b>Purity</b>               | >95 % as determined by SDS-PAGE.   |

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|                       |  |
|-----------------------|--|
| <b>Stability</b>      | Samples are stable for up to twelve months from date of receipt at -70°C.  |
| <b>Storage</b>        | 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.                      |
| <b>Reconstitution</b> | 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

|                        |   |
|------------------------|---|
| <b>Gene Name</b>       | IL3 interleukin 3 [ <a href="#">Rattus norvegicus</a> ]   |
| <b>Official Symbol</b> | <a href="#">IL3</a>   |
| <b>Synonyms</b>        | IL3; interleukin 3; interleukin-3; IL-3; MCGF; mast cell growth factor; P-cell-stimulating factor; hematopoietic growth factor; multipotential colony-stimulating factor;   |
| <b>Gene ID</b>         | <a href="#">24495</a>   |
| <b>mRNA Refseq</b>     | <a href="#">NM_031513</a>   |
| <b>Protein Refseq</b>  | <a href="#">NP_113701</a>   |
| <b>MIM</b>             |   |
| <b>UniProt ID</b>      |   |
| <b>Pathway</b>         | 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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