

Rat IL-3 (His Tag) recombinant protein



Catalog Number: 501547

General Information

Gene Name Synonym

Hematopoietic growth factor; Mast cell growth factor; Multipotential colony-stimulating factor; P-cell-stimulating factor

Protein Construction

A DNA sequence encoding the rat IL3 (NP_113701.1) (Met 1-Cys 169) was fused with a polyhistidine tag at the C-terminus.

Organism

Rat

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured in a cell proliferation assay using FDC-P1 cells.

The ED₅₀ for this effect is typically 2-8 ng/mL.

Purity

> 95 % as determined by SDS-PAGE

Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Ile 27

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.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.0, 10% gly

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

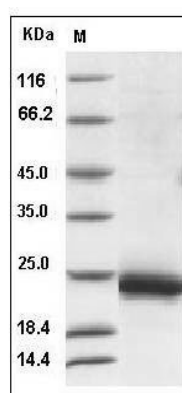
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Rat IL3 / interleukin 3 Protein (His Tag) SDS-PAGE