

Mouse IL-5/IL5 / Interleukin 5 (His Tag) recombinant protein



Catalog Number: 502497

General Information

Gene Name Synonym

B-cell growth factor II; Cytotoxic T-lymphocyte inducer; Eosinophil differentiation factor; T-cell replacing factor

Protein Construction

A DNA sequence encoding the mouse IL5 (P04401) (Met 1-Gly 133) was expressed with a C-terminal polyhistidine tag.

Organism

Mouse

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized recombinant mouse IL5-his at 5 µg/ml (100 µl/well) can bind biotinylated human IL5Ra-his with a linear range of 32-4000 ng/mL.
2. Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED₅₀ for this effect is typically 0.1-0.5 ng/mL.

Purity

> 90 % 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

Met 21

Molecular Mass

The recombinant mouse IL5 consists of 123 amino acids and has a calculated molecular mass of 14.5 kDa. It migrates as an approximately 18 kDa band in SDS-PAGE under reducing conditions, and the homodimer form could also be seen.

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

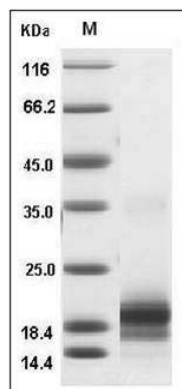
Storage

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



Mouse IL5 Protein (His Tag) SDS-PAGE