

Recombinant Mouse IL5 protein(Met1-Gly133), His-tagged

Cat. No. IL5-755M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL5 (P04401) (Met 1-Gly 133) was expressed in Insect Cells, with a C-terminal polyhistidine tag.
Species	Mouse
Source	Insect Cells
ProteinLength	1-133 a.a.
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 7.0, 10% gly. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	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.
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.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C.

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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

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 IL5 interleukin 5 [*Mus musculus*]

Official Symbol IL5

Synonyms IL5; interleukin 5; interleukin-5; TRF; BCGF-II; B-cell growth factor II; T-cell replacing factor; cytotoxic T-lymphocyte inducer; eosinophil differentiation factor; IL-5;

Gene ID 16191

mRNA Refseq NM_010558

Protein Refseq NP_034688

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