

Active Recombinant Mouse IL4 protein, His-tagged

Cat. No. IL4-353M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL4 protein(P07750)(Met 1-Ser140, Q136D, Y139D), fused with His tag, was expressed in Insect Cells.
Species	Mouse
Source	Insect Cells
ProteinLength	Met 1-Ser140, Q136D, Y139D
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, pH 8.5. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	1. Measured by its binding ability in a functional ELISA. Immobilized mouse IL4-His at 10 µg/mL (100 µl/well) can bind rat IL4R-Fc, The EC50 of rat IL4R-Fc is 0.12-0.29 µg/mL. 2. Measured by its ability to inhibit mIL4-dependent proliferation of HT-2 cells. The ED50 for this effect is typically 2-10 ng/ml in the presence of 2 ng/ml Recombinant Mouse IL4.
Molecular Mass	The recombinant mouse IL4 consists of 131 amino acids and predicts a molecular mass of 14.9 KDa. It migrates as an approximately 19 KDa band in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method

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Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C 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	IL4 interleukin 4 [<i>Mus musculus</i>]
Official Symbol	IL4
Synonyms	IL4; interleukin 4; interleukin-4; IGG1 induction factor; B-cell growth factor 1; B-cell stimulatory factor 1; lymphocyte stimulatory factor 1; B-cell IgG differentiation factor; Il-4; BSF-1;
Gene ID	16189
mRNA Refseq	NM_021283
Protein Refseq	NP_067258

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