

Recombinant Mouse IL12b protein(Met1-Ser335), hFc-tagged

Cat. No. IL12b-738M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse IL12B (P43432) (Met 1-Ser 335) was expressed in HEK293, fused with the Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	1-335 a.a.
Form	Lyophilized from sterile PBS, pH 7.4. 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. 2. Immobilized mouse IL12B-Fc at 10µg/mL (100µL/well) can bind biotinylated human IL12RB1-His. The EC50 of biotinylated human IL12RB1-His is 0.10-0.24µg/mL.
Molecular Mass	The secreted recombinant mouse IL12B/Fc is a disulfide-linked homodimer. The reduced monomer comprises 554 amino acids and has a calculated molecular mass of 62.8 kDa. As a result of glycosylation, the apparent molecular mass of the monomer is approximately 83 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE

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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 IL12b interleukin 12b [*Mus musculus*]

Official Symbol IL12b

Synonyms IL12B; interleukin 12b; interleukin-12 subunit beta; CLMF p40; IL-12 p40; IL-12 subunit p40; IL-23 subunit p40; cytotoxic lymphocyte maturation factor 40 kDa subunit; p40; IL-12b; IL12p40; IL-12p40;

Gene ID 16160

mRNA Refseq NM_008352

Protein Refseq NP_032378

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