

Active Recombinant Mouse Il12b protein, His-tagged

Cat. No. II12b-8693M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il12b protein(NP_001290173.1)(Met1-Ser335), fused with His tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	1-335 a.a.
Form	Lyophilized from sterile PBS, pH 7.4Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
Bio-activity	Measured by its ability to inhibit IL-23 induced IL-17 secretion by mouse splenocytes. The ED50 for this effect is typically 3-20ng/mL.
Molecular Mass	The recombinant mouse IL12B comprises 324 amino acids and has a predicted molecular mass of 37.2 kDa. The apparent molecular mass of the protein is approximately 47-51 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Proteinlength	Met1-Ser335
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	Il12b interleukin 12b [<i>Mus musculus</i>]
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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