Active Recombinant Mouse Il12b Protein

Cat. No. Il12b-1235M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse interleukin 12b (Il12b) (Met23-Ser335) without tag was was expressed Sf9 cell.
Species	Mouse
Source	Insect Cells
ProteinLength	23-335 a.a.
Description	This gene encodes the beta subunit p40 of the Interleukin 12 (IL-12) family of cytokines. Members of the IL-12 family form heterodimers consisting of heavy and light subunits linked by disulfide bonds. The product of this gene, p40, is a subunit of interleukins IL-12 and IL-23.
Bio-activity	The ED50 is 1- 4 ng/ml corresponding to a specific activity of 1.0 - 0.25 x 10^6 units/mg, determined by the dose dependent inhibition of IL-12-dependent IFNγ production.
Molecular Mass	35.8 kDa
Endotoxin	Less than 0.01 ng per g protein as determined by the LAL method
Purity	>98%, as determined by Coomassie stained SDS-PAGE.
Stability	Unopened vial can be stored between 2 centigrade and 8 centigrade for up to 2

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	weeks, at -20 centigrade for up to 6 months, or at -70 centigrade or below until the expiration date. Aliquots can be stored between 2 centigrade and 8 centigrade for up to one week and stored at -20 centigrade or colder for up to 3 months. Avoid repeated freeze/thaw cycles.
Storage	Store at -80 centigrade.
Concentration	Protein formulated and vialed at >50 g/mL in specified buffer
Storage Buffer	20 mM Tris-HCl, pH8.0, 0.1 M NaCl

GENE INFORMATION

Gene Name	Il12b interleukin 12b [Mus musculus (house mouse)]
Official Symbol	Il12b
Synonyms	Il12b; interleukin 12b; p40; Il-12b; Il12p40; Il-12p40; interleukin-12 subunit beta; CLMF p40; IL-12 p40 subunit; IL-12 subunit p40; IL-23 subunit p40; cytotoxic lymphocyte maturation factor 40 kDa subunit; interleukin-12 p40 subunit
Gene ID	16160
mRNA Refseq	NM_001303244
Protein Refseq	NP_001290173
UniProt ID	P43432

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