

## Active Recombinant Mouse Il12b Protein

**Cat. No.** Il12b-1236M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of Mouse interleukin 12b (Il12b) without tag was expressed Sf9 cell.
<b>Species</b>	Mouse
<b>Source</b>	Insect Cells
<b>Description</b>	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.
<b>Bio-activity</b>	The ED50 is 0.10 to 0.20 ng/ml, corresponding to a specific activity of 1.0 - 0.5 x 10 <sup>7</sup> units/mg, determined by the dose dependent stimulation of IFN $\gamma$ production by mouse splenocytes.
<b>Molecular Mass</b>	57.5 kDa
<b>Endotoxin</b>	Less than 0.01 ng per g protein as determined by the LAL method
<b>Purity</b>	95%, as determined by Coomassie stained SDS-PAGE.
<b>Stability</b>	Unopened vial can be stored between 2 centigrade and 8 centigrade for up to 2 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

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to one week and stored at -20 centigrade or colder for up to 3 months. Avoid repeated freeze/thaw cycles.

<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	Protein formulated and vialled at >50 g/mL in specified buffer
<b>Storage Buffer</b>	10 mM NaH <sub>2</sub> PO <sub>4</sub> , 150 mM NaCl, pH7.2

## GENE INFORMATION

<b>Gene Name</b>	Il12b interleukin 12b [ <i>Mus musculus</i> (house mouse) ]
<b>Official Symbol</b>	Il12b
<b>Synonyms</b>	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
<b>Gene ID</b>	16160
<b>mRNA Refseq</b>	NM_001303244
<b>Protein Refseq</b>	NP_001290173
<b>UniProt ID</b>	P43432

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