

Active Recombinant Mouse Il12b Protein

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

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse interleukin 12b (Il12b) without tag was expressed Sf9 cell.
Species	Mouse
Source	Insect Cells
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 0.10 to 0.20 ng/ml, corresponding to a specific activity of $1.0 - 0.5 \times 10^7$ units/mg, determined by the dose dependent stimulation of IFN γ production by mouse splenocytes.
Molecular Mass	57.5 kDa
Endotoxin	Less than 0.01 ng per μ g protein as determined by the LAL method
Purity	95%, as determined by Coomassie stained SDS-PAGE.
Stability	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.

Storage

Store at -80 centigrade.

Concentration

Protein formulated and vialled at >50 µg/mL in specified buffer

Storage Buffer

10 mM NaH₂PO₄, 150 mM NaCl, pH7.2

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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