

Active Recombinant Mouse Il12b Protein (Met23-Ser335), C-His tagged, Animal-free, Carrier-free

Cat. No. II12b-48M Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Mouse Il12b Protein (Met23-Ser335) with C-His tag was expressed in E. coli and Animal-free as well as Carrier-free. |
| Species | Mouse |
| Source | E.coli |
| ProteinLength | Met23-Ser335 |
| Description | Interleukin 12 (IL-12) is a pro-inflammatory cytokine with a molecular weight of 70 kDa composed of two subunits, IL-12 p35 (35 kDa) and IL-12 p40 (40 kDa). IL-12 p40 is induced in excess over the other subunits of IL-12 and IL-23 and can exist in a monomeric or homodimeric form. |
| Form | Lyophilized |
| Bio-activity | Measure by its ability to induce proliferation in T-cell enriched PBMC. The ED50 for this effect is < 0.3 ng/mL. |
| Molecular Mass | The protein has a calculated MW of 36.60 kDa. The protein migrates as 35-48 kDa under reducing condition (SDS-PAGE analysis). |
| Endotoxin | < 0.1 EU/μg of the protein by the LAL method. |

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|-----------------------|---|
| Purity | >98% as determined by SDS-PAGE analysis. |
| Storage | This product is stable after storage at: -20 centigrade for 12 months in lyophilized state from date of receipt. -20 or -80 centigrade for 1 month under sterile conditions after reconstitution. Avoid repeated freeze/thaw cycles. |
| Storage Buffer | Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. |
| Reconstitution | It is recommended to reconstitute the lyophilized protein in sterile H2O to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved. |
| Shipping | The product is shipped with polar packs. Upon receipt, store it immediately at -20 centigrade or lower for long term storage. |

GENE INFORMATION

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| Gene Name | IL12b interleukin 12b [<i>Mus musculus</i> (house mouse)] |
| 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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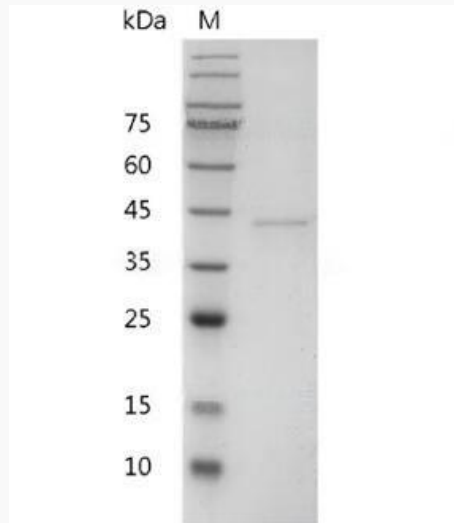
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UniProt ID

P43432

**SDS-PAGE analysis
of recombinant
mouse IL-12 (p40).**



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