

## Active Recombinant Mouse IL12B protein

Cat. No. IL12B-0308M    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Mouse IL12B protein(P43432)(Met1-Ser335) was expressed in HEK293.                                                                                                                                                                                                       |
| <b>Species</b>          | Mouse                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 1-335 a.a.                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Please 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. |
| <b>Bio-activity</b>     | Measured by its ability to bind Human IL12RB1 His, Biotinylated in a functional ELISA.                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | The recombinant mouse IL12B consists of 320 amino acids and has a calculated molecular mass of 36.6 kDa. The recombinant protein migrates as an approximately 46 kDa band in SDS-PAGE under reducing conditions.                                                                    |
| <b>Proteinlength</b>    | Met1-Ser335                                                                                                                                                                                                                                                                         |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                                      |

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|                       |                                                                                                                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 85 % as determined by SDS-PAGE                                                                                                                                                                                                                  |
| <b>Storage</b>        | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C<br>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. |
| <b>Reconstitution</b> | 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

|                        |                                                                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | IL12b interleukin 12b [ <i>Mus musculus</i> ]                                                                                                                                                          |
| <b>Official Symbol</b> | IL12B                                                                                                                                                                                                  |
| <b>Synonyms</b>        | 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; |
| <b>Gene ID</b>         | 16160                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>     | NM_008352                                                                                                                                                                                              |
| <b>Protein Refseq</b>  | NP_032378                                                                                                                                                                                              |

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