

## Recombinant Mouse Il12rb1

Cat. No. Il12rb1-8337M    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                                                                                                                                 |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Mouse Il12rb1 was expressed in NSO Cells.                                                                                                                                                                                                                           |
| Species          | Mouse                                                                                                                                                                                                                                                                           |
| Source           | Mammalian Cells                                                                                                                                                                                                                                                                 |
| Description      | The protein encoded by this gene is a type I transmembrane protein that belongs to the hemopoietin receptor superfamily. This protein binds to interleukine 12 (IL12) with a low affinity, and is thought to be a part of IL12 receptor complex.                                |
| Molecular Mass   | The predicted molecular weight of Recombinant Mouse IL-12 R $\beta$ 1 is Mr 61.3 kDa. However, the actual molecular weight as observed by migration on SDS-PAGE is Mr 95-110 kDa.                                                                                               |
| Endotoxin        | <1.0 eu/ $\mu$ g="" as="" determined="" by="" the="" la="">                                                                                                                                                                                                                     |
| Purity           | >90% by SDS-PAGE and analyzed by silver stain.                                                                                                                                                                                                                                  |
| Storage          | This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles. |

### GENE INFORMATION

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                        |                                                                                                                                                                                                                                                                                                                                       |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | IL12rb1 interleukin 12 receptor, beta 1 [ Mus musculus ]                                                                                                                                                                                                                                                                              |
| <b>Official Symbol</b> | IL12rb1                                                                                                                                                                                                                                                                                                                               |
| <b>Synonyms</b>        | IL12RB1; interleukin 12 receptor, beta 1; interleukin-12 receptor subunit beta-1; IL-12R-beta-1; IL-12R subunit beta-1; IL-12 receptor beta component; IL-12 receptor subunit beta-1; Interleukin-12 receptor beta-1 chain precursor (IL-12R-beta1) (Interleukin-12 receptor beta) (IL-12 receptor beta component); CD212; IL-12R[b]; |
| <b>Gene ID</b>         | 16161                                                                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_008353                                                                                                                                                                                                                                                                                                                             |
| <b>Protein Refseq</b>  | NP_032379                                                                                                                                                                                                                                                                                                                             |
| <b>Pathway</b>         | Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Jak-STAT signaling pathway, organism-specific biosystem; Jak-STAT signaling pathway, conserved biosystem;                                                                                           |
| <b>Function</b>        | contributes_to cytokine binding; receptor activity;                                                                                                                                                                                                                                                                                   |

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