

## Recombinant Mouse Interleukin 2 Receptor, Gamma Chain

**Cat. No.** IL2rg-1716M    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                              |                                                                                                                                                                                                                                                                                                                                         |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>               | Mouse                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>                | Sf21 Cells                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>           | The common gamma-chain (gamma(c)) is an indispensable subunit of the functional receptor complexes for IL-4, IL-7, IL-9, and IL-15 as well as IL-2. It is a cytokine receptor subunit that is located on the surface of certain sub-sets of lymphocytes (white blood cells). Common gamma-chain is critical for lymphocyte development. |
| <b>Molecular Weight</b>      | The predicted molecular weight of Recombinant Mouse Common Gamma Chain is Mr 54.5 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 60 kDa.                                                                                                                                                          |
| <b>State Of Matter</b>       | Lyophilized.                                                                                                                                                                                                                                                                                                                            |
| <b>Purity</b>                | >90% by SDS Page and analyzed by silver stain.                                                                                                                                                                                                                                                                                          |
| <b>Endotoxin</b>             | <1.0 EU/g as determined by the LAL method.                                                                                                                                                                                                                                                                                              |
| <b>Storage And Stability</b> | 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. See Product Insert for exact lot specific storage       |

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instructions.

## GENE INFORMATION

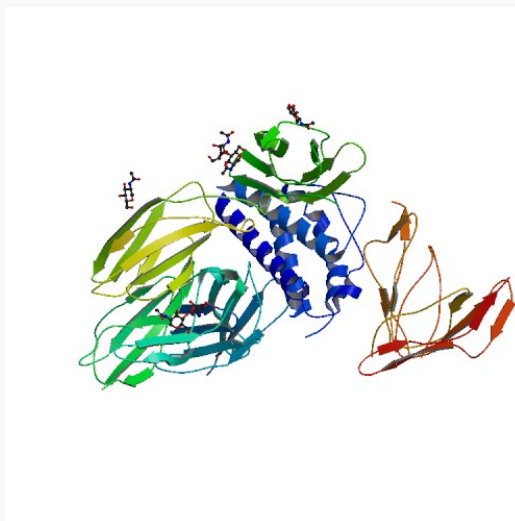
|                            |                                                                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | Il2rg interleukin 2 receptor, gamma chain [ <i>Mus musculus</i> ]                                                                                 |
| <b>Synonyms</b>            | Il2rg; interleukin 2 receptor, gamma chain; gc; [g]c; CD132; gamma(c); common cytokine receptor gamma chain; common gamma chain; gamma C receptor |
| <b>Gene ID</b>             | 16186                                                                                                                                             |
| <b>mRNA Refseq</b>         | NM_013563                                                                                                                                         |
| <b>Protein Refseq</b>      | NP_038591                                                                                                                                         |
| <b>UniProt ID</b>          | P34902                                                                                                                                            |
| <b>Chromosome Location</b> | X 38.0 cM                                                                                                                                         |
| <b>Pathway</b>             | Cytokine-cytokine receptor interaction; Endocytosis; Jak-STAT signaling pathway; Primary immunodeficiency                                         |
| <b>Function</b>            | cytokine receptor activity; interleukin-2 binding; protein binding; receptor activity                                                             |

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on 2b5i.



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