

# Recombinant Human IL2RG Protein, His-tagged

**Cat. No.** IL2RG-151H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
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| <b>Product Overview</b> | Recombinant Human interleukin 2 receptor subunit gamma(IL2RG)(NM_000206) protein, with a His tag, was expressed in human cells.                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Source</b>           | Human Cells                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>      | The protein encoded by this gene is an important signaling component of many interleukin receptors, including those of interleukin -2, -4, -7 and -21, and is thus referred to as the common gamma chain. Mutations in this gene cause X-linked severe combined immunodeficiency (XSCID), as well as X-linked combined immunodeficiency (XCID), a less severe immunodeficiency disorder. |
| <b>Form</b>             | Purified protein formulated in a sterile solution of TBS buffer, pH7.279, without any preservatives.                                                                                                                                                                                                                                                                                     |
| <b>Molecular Mass</b>   | 39.9 kDa                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Endotoxin</b>        | Endotoxin level is < 0.1 ng/g of protein (<1EU /g)                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | >90% by SDS-PAGE gel and Coomassie Blue staining                                                                                                                                                                                                                                                                                                                                         |
| <b>Applications</b>     | Antigens, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.                                                                                                                                                                                                                                                               |

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## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | IL2RG interleukin 2 receptor, gamma [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Official Symbol</b> | IL2RG                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Synonyms</b>        | IL2RG; interleukin 2 receptor, gamma; CIDX, combined immunodeficiency, X linked , IMD4, SCIDX1, severe combined immunodeficiency; cytokine receptor common subunit gamma; CD132; gammaC; gamma(c); CD132 antigen; common gamma-chain; IL-2R subunit gamma; IL-2 receptor subunit gamma; severe combined immunodeficiency; combined immunodeficiency, X-linked; common cytokine receptor gamma chain; interleukin-2 receptor subunit gamma; P64; CIDX; IMD4; SCIDX; IL-2RG; SCIDX1; |
| <b>Gene ID</b>         | 3561                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>mRNA Refseq</b>     | NM_000206                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>  | NP_000197                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>MIM</b>             | 308380                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>UniProt ID</b>      | P31785                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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