

# Recombinant Cynomolgus IL2RG protein, His-tagged

**Cat. No.** IL2RG-382C    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Cynomolgus CD132/IL2RG Protein is expressed from mammalian with His Tag at the C-terminal. It contains Leu23-Asn254.                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Cynomolgus                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Leu23-Asn254                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Description</b>      | The gamma chain of the high affinity functional human IL-2 receptor complex belongs to the hematopoietin receptor family. IL-2 R gamma is a 369 amino acid residue protein consisting of a 22 residue signal sequence, a 232 residue extracellular domain, a 29 residue transmembrane domain and an 86 residue cytoplasmic domain. Although IL-2 R gamma by itself does not bind IL2 with any appreciable affinity, it is required for IL-2 receptor signaling. |
| <b>Form</b>             | Supplied as 0.22um filtered solution in PBS (pH 7.4).                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 28.2KDa. Due to glycosylation, the protein migrates to 50- 68KDa based on Bis-Tris PAGE result.                                                                                                                                                                                                                                                                                                                               |
| <b>Endotoxin</b>        | Less than 0.1EU per ug by the LAL method.                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Purity</b>           | > 95% as determined by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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**Storage** The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.

## GENE INFORMATION

**Gene Name** IL2RG interleukin 2 receptor subunit gamma [ *Macaca mulatta* (Rhesus monkey) ]

**Official Symbol** IL2RG

**Synonyms**

CD132 antigen; CD132; CIDX; combined immunodeficiency, X-linked; common cytokine receptor gamma chain; Common gamma Chain; common gamma-chain; cytokine receptor common subunit gamma; gamma(c); IL-2 R gamma; IL-2 receptor subunit gamma; IL2R gamma; IL-2R subunit gamma; IL2RG; IL-2RG; IMD4; interleukin 2 receptor, gamma; Interleukin-2 receptor subunit gamma; P64; SCIDX; SCIDX1; severe combined immunodeficiency.

**Gene ID** 641338

**mRNA Refseq** NM\_001035529.1

**Protein Refseq** NP\_001030606.1

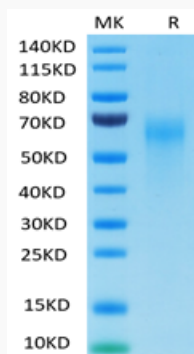
**UniProt ID** Q38JL2

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