Recombinant Human IL2RG, Fc-tagged

Cat. No. IL2RG-29663TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 23-259 of Human IL2 Receptor gamma fused to the Fc region of human IgG1 expressed in modified human 293 cells.
Species	Human
ProteinLength	23-259 a.a.
Description	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.
Conjugation	Fc
Form	Lyophilised:It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial.Following reconstitution short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze thawing is not reco
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: NoneConstituents: 10% Trehalose, 1% Human serum albumin

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Storage	Store at +4°C.
Sequences of amino acids	Theoretical Sequence:LNTTILTPNGNEDTTADFFLTTMPTDSLS VSTLPLPEVQCFVF NVEYMNCTWNSSSEPQPTNLTLHY WYKNSDNDKVQKCSHYLFSEEITSGCQLQKK EIHLYQT FVVQLQDPREPRRQATQMLKLQNLVIPWAPENLTLHKLSESQLELNWNN RFLNHCLEHLVQYRTDWDHSWTEQSVDYR HKFSLPSVDGQKRYTFRVRSRFNPL CGSAQHWSEWSHP IHWGSNTSKENPFLFAWIPKVDKKVEPKSCDKTHTCPP CPA PELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDV SHEDPEVKFNWYVDGVEVHNA KTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPR EPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWE SNGQPENNYKTTPPVLDS DGSFFLYSKLTVDKSRWQQG NVFSCSVMHEALHNHYTQKSLSLSPGK

GENE INFORMATION

Gene Name	IL2RG interleukin 2 receptor, gamma [Homo sapiens]
Official Symbol	IL2RG
Synonyms	IL2RG; interleukin 2 receptor, gamma; CIDX, combined immunodeficiency, X linked , IMD4, SCIDX1, severe combined immunodeficiency; cytokine receptor common subunit gamma; CD132;
Gene ID	3561
mRNA Refseq	NM_000206
Protein Refseq	NP_000197
MIM	308380
Uniprot ID	P31785

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Chromosome Location	Xq13
Pathway	Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Downstream signaling in naive CD8+ T cells, organism-specific biosystem; Endocytosis, organism-specific biosystem;
Function	cytokine receptor activity; interleukin-2 binding; contributes_to interleukin-2 receptor activity; contributes_to interleukin-4 receptor activity; contributes_to interleukin-7 receptor activity;

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