

## Recombinant Human IL2RG, Fc-tagged

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

### SPECIFICATION

<b>Product Overview</b>	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.
<b>Species</b>	Human
<b>ProteinLength</b>	23-259 a.a.
<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>Conjugation</b>	Fc
<b>Form</b>	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
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: NoneConstituents: 10% Trehalose, 1% Human serum albumin

 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>Storage</b>	Store at +4°C.
<b>Sequences of amino acids</b>	<p>Theoretical Sequence: LNTTILTPNGNEDTTADFFLTTMPTDSLVS VSTLPLPEVQCFVF NVEYMNCTWNSSSEPQPTNLTLY WYKNSDNDKVQKCSHYLFSEEITSGCQLQKK EIHLYQT FVVQLQDPREPRRQATQMLKLQNLVIPWAPENLTLHKLSQSLELNWNN RFLNHCLEHLVQYRTDWDHWSWTEQSVDYR HKFSLPSVDGQKRYTFRVRSRFPNL CGSAQHWSEWSHP IHWGSNTSKENPFLFAWIPKVDKKVEPKSCDKTHTCPP CPA PELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDV SHEDPEVKFNWYVDGVEVHNA KTKPREEQYNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTISKAKGQPR EPQVYTLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWE SNGQPENNYKTTTPVLDSDGSFFLYSKLTVDKSRWQQG NVFSCSVMEALHNHYTQKSLSLSPGK</p>
<b>GENE INFORMATION</b>	
<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;
<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

 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>Chromosome Location</b>	Xq13
<b>Pathway</b>	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;
<b>Function</b>	cytokine receptor activity; interleukin-2 binding; contributes_to interleukin-2 receptor activity; contributes_to interleukin-4 receptor activity; contributes_to interleukin-7 receptor activity;

 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