

Recombinant Human IL2RG Protein, C-His-tagged

Cat. No. IL2RG-067H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IL2RG Protein with C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	The IL-2 receptor is a multicomponent complex consisting of three subunits, α, β and γ, each of which is required for high affinity binding of IL-2. The α chain functions primarily in binding IL-2, whereas the β and γ chains contribute to IL-2 binding and are essential to IL-2-induced activation of signaling pathways leading to T cell growth. Both IL-4R and IL-7R were initially described as single chain high affinity ligand binding cytokine receptors. However, it is now well established that the IL-2R γ chain functions as a second subunit of the high affinity IL-4R and IL-7R receptors. Consequently, the originally described subunits of these latter receptors are now referred to as IL-4Rα and IL-7Rα respectively, while the common subunit is referred to as γc. Although the common γ chain enhances ligand binding in these three cytokine receptors, it has no capacity to bind these ligands on its own. There is evidence that the γ chain is also a subunit of IL-13R.
Molecular Mass	~26 kDa
AA Sequence	LNTTILTPNGNEDTTADFFLTMTPTDSLVSSTLPLPEVQCFVFNVEYMNCTWNSSSE PQPTNLTLYWYKNSDNDKVQKCSHYLFSEEITSGCQLQKKEIHLYQTFVVQLQDP REPRRQATQMLKLQNLVIPWAPENLTLHKLSESQLELNWNNRFLNHCLEHLVQYRT

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	DWDHSWTEQSVDIRHKFSLPSVDGQKRYTFRVRSRFNPLCGSAQHWSEWSHPIH WGSNTSKENPFLFALEA
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).
Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Concentration	≥0.5 mg/mL
Storage Buffer	PBS, 4M Urea, pH7.4
GENE INFORMATION	
Gene Name	IL2RG interleukin 2 receptor, gamma [Homo sapiens (human)]
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; 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;
Gene ID	3561

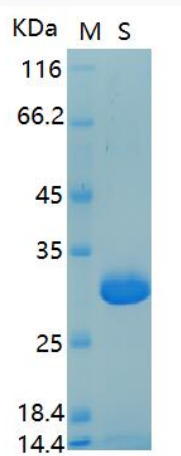
mRNA Refseq [NM_000206](#)

Protein Refseq [NP_000197](#)

MIM [308380](#)

UniProt ID [P31785](#)

SDS-PAGE



SDS-PAGE Result

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