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Datasheet for ABIN7520183  
**IL2RG Protein (His tag)**

### Overview

Quantity:	20 µg
Target:	IL2RG
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL2RG protein is labelled with His tag.

### Product Details

Purpose:	Recombinant Human IL-2RG/CD132 Protein
Sequence:	LNTTILTPNG NEDTTADFFL TTMPDLSLV STLPLPEVQC FVFNVEYMNC TWNSSSEPQP TNLTLHYWYK NSDNDKVQKC SHYLFSEEIT SGCQLQKKEI HLYQTFVVQL QDPREPRRQA TQMLKLQNLV IPWAPENLTL HKLSESQLEL NWNRFNLHC LEHLVQYRTD WDHSWTEQSV DYRHKFSLPS VDGQKRYTFR VRSRFNPLCG SAQHWSEWSH PIHWGSNTSK EN
Specificity:	Leu23-Asn254
Purity:	> 95 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.

### Target Details

Target:	IL2RG
Alternative Name:	IL-2RG/CD132 ( <a href="#">IL2RG Products</a> )

## Target Details

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**Background:** Description: The gamma chain of the high affinity functional human IL-2 receptor complex belongs to the hematopoietin receptor family. The common gamma chain ( $\gamma_c$ ) (or CD132), also known as interleukin-2 receptor subunit gamma or IL2RG, is a member of the type I cytokine receptor family expressed on most lymphocyte (white blood cell) populations, and its gene is found on the X-chromosome of mammals. IL2RG 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. IL2RG is a cytokine receptor sub-unit that is common to the receptor complexes for at least six different interleukin receptors: IL-2, IL-4, IL-7, IL-9, IL-15 and interleukin-21 receptor. It has been proposed that IL2RG be designated the common gamma chain ( $\gamma_c$ ). The site of molecular defects in X-linked SCID (severe combined immunodeficiency) has now been mapped to the IL-2 R gamma gene.  
Name: IL2RG,CD132,CIDX,IL-2RG,IMD4,P64,SCIDX,SCIDX1

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**Gene ID:** 3561

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**UniProt:** [P31785](#)

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**Pathways:** [JAK-STAT Signaling](#), [Growth Factor Binding](#)

## Application Details

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**Restrictions:** For Research Use only

## Handling

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**Format:** Lyophilized

**Reconstitution:** Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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**Buffer:** Lyophilized from a 0.22  $\mu$ m filtered solution of PBS, pH 7.4.

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**Storage:** -20 °C,-80 °C

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**Storage Comment:** Store the lyophilized protein at -20°C to -80 °C for long term.  
After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.