

Datasheet for ABIN7321196

**IL2RG Protein (His tag)****1** Image[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IL2RG
Origin:	Rat
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL2RG protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Rat IL2RG/CD132 Protein (His Tag)
Sequence:	Met1-Ala262
Characteristics:	A DNA sequence encoding the rat IL2RG (Q68FU6) (Met1-Ala262) was expressed, fused with a polyhistidine tag at the C-terminus.
Purity:	> 99 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method

## Target Details

Target:	IL2RG
Alternative Name:	IL2RG/CD132 ( <a href="#">IL2RG Products</a> )
Background:	Background: The common gamma chain (γc) (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

## Target Details

mammals. The common gamma chain ( $\gamma_c$ ) (or 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 is a component of multiple cytokine receptors that are essential for lymphocyte development and function. X-linked severe combined immunodeficiency (XSCID) is a rare and potentially fatal disease caused by mutations of IL2RG, the gene encoding IL2RG. IL2RG was demonstrated to be a component of the IL-4 receptor on the basis of chemical cross-linking data, the ability of IL2RG to augment IL-4 binding affinity. The observation that IL-2R gamma is a functional component of the IL-4 receptor, together with the finding that IL-2R gamma associates with the IL-7 receptor, begins to elucidate why deficiency of this common gamma chain (gamma c) has a profound effect on lymphoid function and development, as seen in X-linked severe combined immunodeficiency.

Synonym: IL2RG

Molecular Weight:	29.5 kDa
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UniProt:	<a href="#">Q68FU6</a>
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Pathways:	<a href="#">JAK-STAT Signaling</a> , <a href="#">Growth Factor Binding</a>
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## Application Details

Restrictions:	For Research Use only
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## Handling

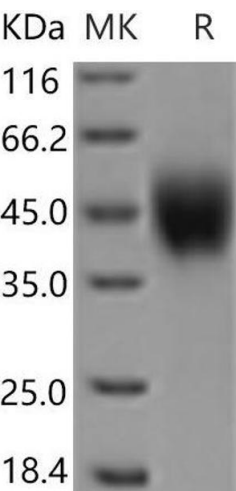
Format:	Lyophilized
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Reconstitution:	Please refer to the printed manual for detailed information.
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Buffer:	Lyophilized from sterile PBS, pH 7.4
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Storage:	4 °C, -20 °C, -80 °C
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Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
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Western Blotting

Image 1.