

Datasheet for ABIN7320413
IL2RG Protein (His tag,Fc Tag)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	IL2RG
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This IL2RG protein is labelled with His tag,Fc Tag.

Product Details

Purpose:	Recombinant Mouse IL2RG/CD132 Protein (His & Fc Tag)(Active)
Sequence:	Met 1-Ala 263
Characteristics:	A DNA sequence encoding the extracellular domain (Met 1-Ala 263) of mouse IL2RG (NP_038591.1) precursor was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.
Purity:	> 92 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to bind biotinylated recombinant rat IL2 in a functional ELISA.

Target Details

Target:	IL2RG
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Target Details

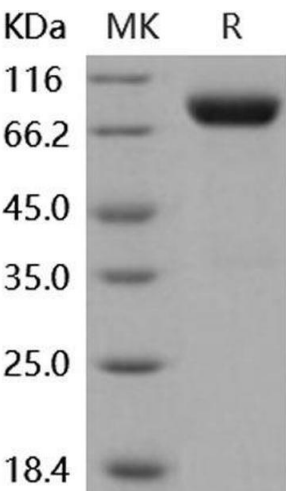
Alternative Name:	IL2RG/CD132 (IL2RG Products)
Background:	<p>Background: The common gamma chain (γ_c) (or CD132), also known as interleukin-2 receptor subunit gamma or IL2RG, is a member of the type I cytokine receptor family expressed on most lymphocyte (white blood cell) populations, and its gene is found on the X-chromosome of mammals. The common gamma chain (γ_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.</p> <p>Synonym: CD132;gamma(c);gc;[g]c</p>
Molecular Weight:	56.3 kDa
NCBI Accession:	NP_038591
Pathways:	JAK-STAT Signaling , Growth Factor Binding

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile PBS, pH 7.4
Storage:	4 °C,-20 °C,-80 °C
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.



Western Blotting

Image 1.