

Datasheet for ABIN7274089

IL2RG Protein (AA 23-263) (His tag)**2** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	IL2RG
Protein Characteristics:	AA 23-263
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL2RG protein is labelled with His tag.

Product Details

Purpose:	Mouse IL-2 R gamma/CD132 Protein
Sequence:	Trp23-Ala263
Characteristics:	Recombinant Mouse IL-2 R gamma/CD132 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Trp23-Ala263.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	IL2RG
Alternative Name:	IL-2 R gamma (IL2RG Products)

Target Details

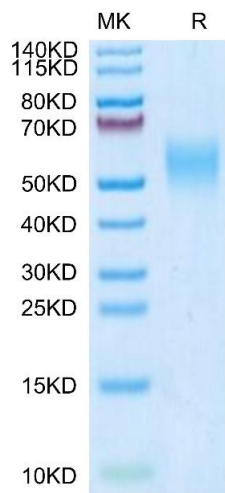
Background:	The gamma chain of the high affinity functional human IL-2 receptor complex belongs to the hematopoietin receptor family. IL-2 R gamma is a 369 amino acid residue protein consisting of a 22 residue signal sequence, a 232 residue extracellular domain, a 29 residue transmembrane domain and an 86 residue cytoplasmic domain. Although IL-2 R gamma by itself does not bind IL-2 with any appreciable affinity, it is required for IL-2 receptor signaling.
Molecular Weight:	29.31 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Tris-Bis PAGE result.
UniProt:	P34902
Pathways:	JAK-STAT Signaling , Growth Factor Binding

Application Details

Restrictions:	For Research Use only
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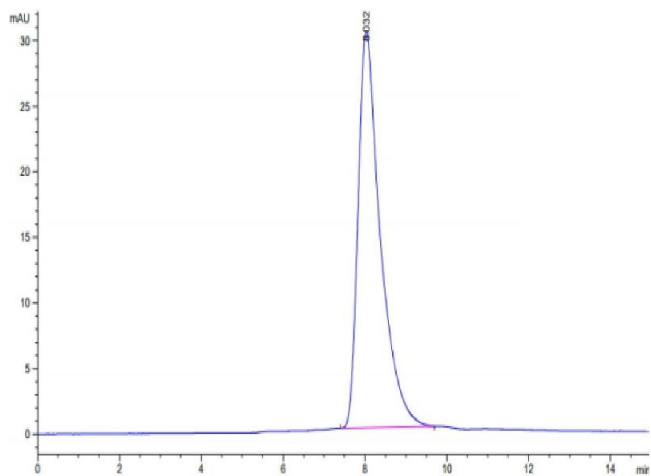
Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



SDS-PAGE

Image 1. Mouse IL-2 R gamma on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Mouse IL-2 R gamma is greater than 95 % as determined by SEC-HPLC.