

# Mouse IL-2 R gamma/CD132 Protein

Cat. No. CD1-MM132



## Description

<b>Source</b>	Recombinant Mouse IL-2 R gamma/CD132 Protein is expressed from Expi293 with His tag at the C-terminal. It contains Trp23-Ala263.
<b>Accession</b>	P34902
<b>Molecular Weight</b>	The protein has a predicted MW of 29.31 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

## Formulation and Storage

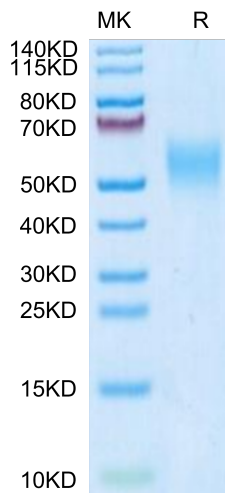
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4). Please dilute to the desired concentration according to the concentration of the solution shown on the product label.
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please do not repeated freeze-thaw cycles.

## 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.

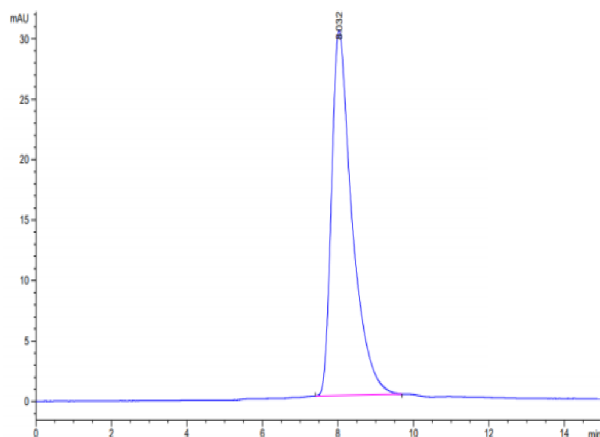
## Assay Data

### Tris-Bis PAGE



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

### SEC-HPLC



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