

Mouse IL-2 R gamma/CD132 Protein, Ultra Low Endotoxin



Cat. No. CD1-MM132-UL

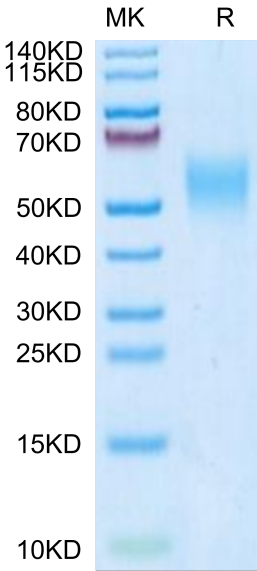
Description	
Source	Recombinant Mouse IL-2 R gamma/CD132 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Trp23-Ala263.
Accession	P34902
Molecular Weight	The protein has a predicted MW of 29.31 kDa. Due to glycosylation, the protein migrates to 50-65 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize 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

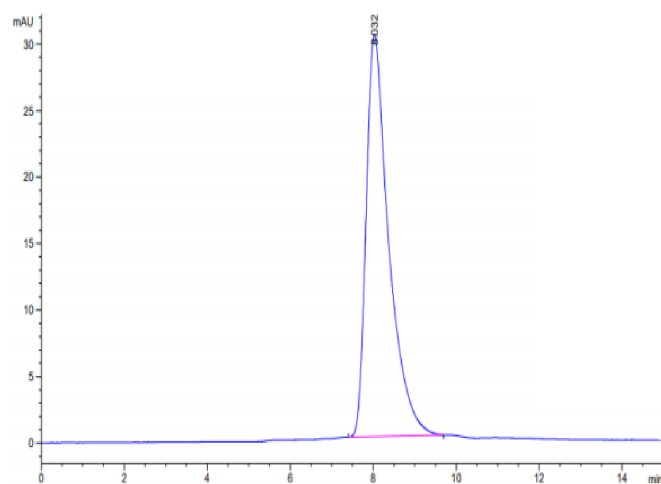
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



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