

Cynomolgus IL-2 R beta/CD122 Protein

HA210089



Product name:	Cynomolgus IL-2 R beta/CD122 Protein
Species reactivity:	Cynomolgus
Protein construction description:	Recombinant Cynomolgus IL-2 R beta/CD122 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Ala27-Asp239.
Background:	IL-2 R beta is a member of the cytokine receptor superfamily. Human IL-2 R beta cDNA encodes a 551 amino acid residue precursor Type I membrane protein with a 26 residue signal peptide, a 214 residue extracellular region, a 25 residue transmembrane region and a 286 residue cytoplasmic domain. Functional IL-2 receptors can exist in two affinity states on cell surfaces, the high affinity complex consisting of heterotrimers of the alpha, beta, and gamma chains, and the intermediate affinity complex comprising heterodimers of the beta and gamma chains.
Purity:	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC
Endotoxin:	Less than 1EU per µg by the LAL method.
Source:	HEK293
Accession:	Q38J85
Predicted molecular mass:	The protein has a predicted MW of 25.6 kDa. Due to glycosylation, the protein migrates to 38-45 kDa based on Tris-Bis PAGE result
Formulation:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage:	-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.

Hangzhou Huaan Biotechnology Co., Ltd.

Orders:0086-571-88062880

Technical:0086-571-89986345

Service mail:support@huabio.cn

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www.huabio.cn

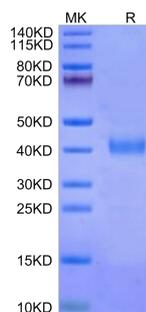


Fig1: Cynomolgus IL-2 R beta on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%.

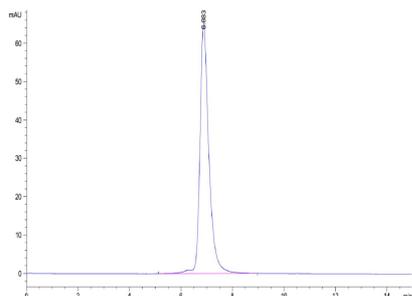


Fig2: The purity of Cynomolgus IL-2 R beta is greater than 95% as determined by SEC-HPLC.

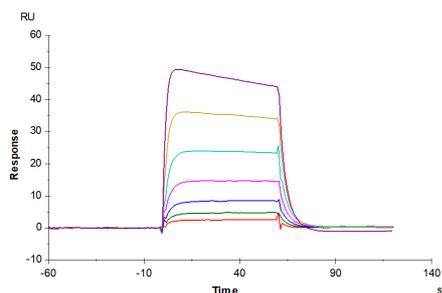


Fig3: Cynomolgus IL-2 R beta, His Tag captured on CM5 Chip via anti-his antibody can bind Human IL-2, No Tag with an affinity constant of 0.17 μM as determined in SPR assay (Biacore T200).

Note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".