

Rat IL-22 Protein, Ultra Low Endotoxin



Cat. No. IL2-RM122-UL

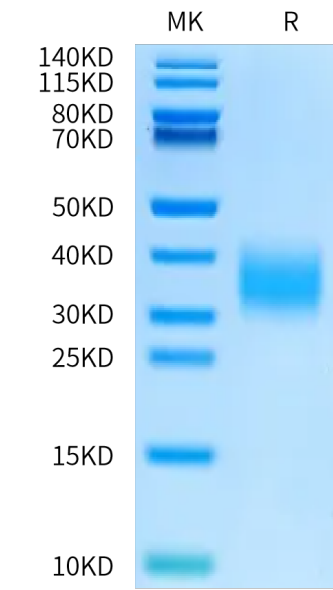
Description	
Source	Recombinant Rat IL-22 Protein is expressed from HEK293 with His tag at the C-terminus. It contains Leu34-Val179.
Accession	G3V6X6
Molecular Weight	The protein has a predicted MW of 18.18 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

Formulation and Storage	
Formulation	Lyophilized from 0.22 µm 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 cytokine interleukin-22 (IL-22) is a critical regulator of epithelial homeostasis. It has been implicated in multiple aspects of epithelial barrier function, including regulation of epithelial cell growth and permeability, production of mucus and antimicrobial proteins (AMPs), and complement production.	

Assay Data

Bis-Tris PAGE

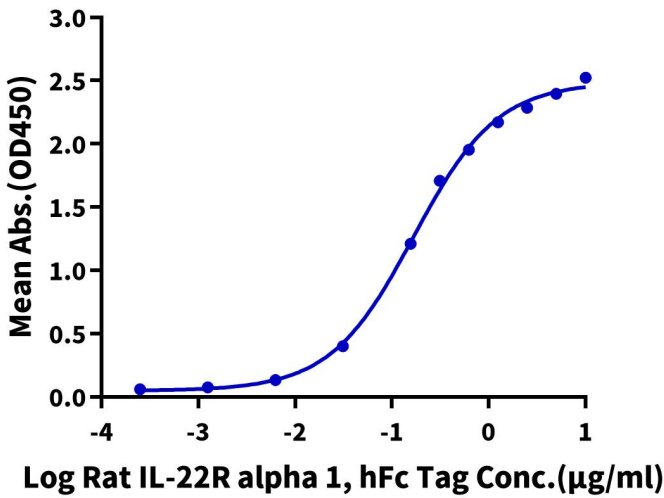


Rat IL-22 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Assay Data

Rat IL-22, His Tag ELISA
0.1µg Rat IL-22, His Tag Per Well



Immobilized Rat IL-22, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Rat IL-22R alpha 1, hFc Tag with the EC50 of 0.17µg/ml determined by ELISA (QC Test).