

Cynomolgus IL-2 Protein; His Tag

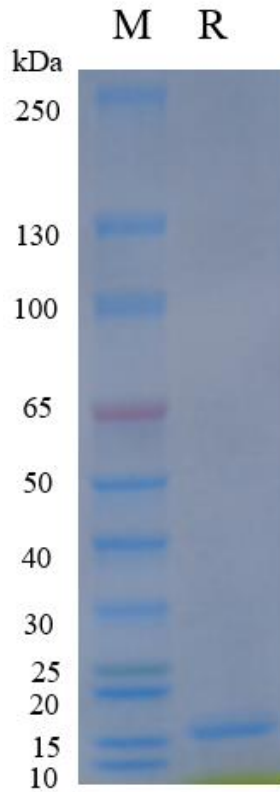
Product Information

Product Name	Cynomolgus IL-2 Protein; His Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88500RP-100 / 100 μg GM-88500RP-1000 / 1 mg

Protein Information

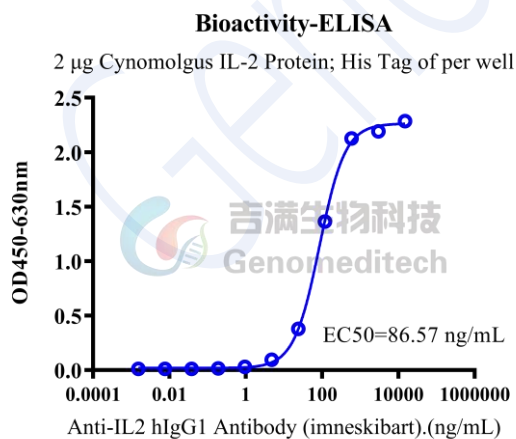
Alternative Names	TCGF, lymphokine, Interleukin 2
Source	Cynomolgus IL-2 Protein; His Tag (GM-88500RP) is expressed from human 293 cells (HEK-293). It contains AA Ala 21 - Thr 154 (Accession # Q29615-1). This protein carries a His tag at the N-terminus.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	16.3 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	IL-2 protein, full name Interleukin-2, is an important soluble cytokine and a member of the interleukin family. IL-2 protein plays a crucial role in regulating immune responses, promoting T cell proliferation and differentiation, and maintaining immune homeostasis in normal physiological conditions. Currently, several IL-2-targeted therapeutic strategies are employed or under investigation in clinical practice, including low-dose IL-2 therapy for autoimmune diseases and high-dose IL-2 for cancer immunotherapy (e.g., aldesleukin). Additionally, IL-2 receptor-targeting antibodies such as basiliximab and daclizumab are used to prevent transplant rejection. These agents can modulate immune responses by either enhancing or suppressing IL-2-mediated signaling pathways, thereby improving patient outcomes. In summary, IL-2 protein plays a crucial role in immune regulation and disease pathogenesis, and is of great significance for understanding the mechanisms of immune-related diseases, selecting targeted treatment strategies, and evaluating patient prognosis.

SDS-PAGE



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA



Cynomolgus IL-2 Protein; His Tag (Catalog # GM-88500RP) was immobilized at 2 µg/ml (100 µL/well). Increasing concentrations of Anti-IL2 hIgG1 Antibody (imneskibart) (Catalog # GM-88653AB) were added.