

Human IL-17A Protein; His Tag

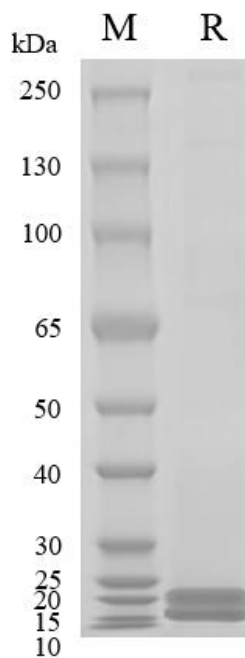
Product Information

Product Name	Human IL-17A 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-87868RP-100 / 100 μg GM-87868RP-1000 / 1 mg

Protein Information

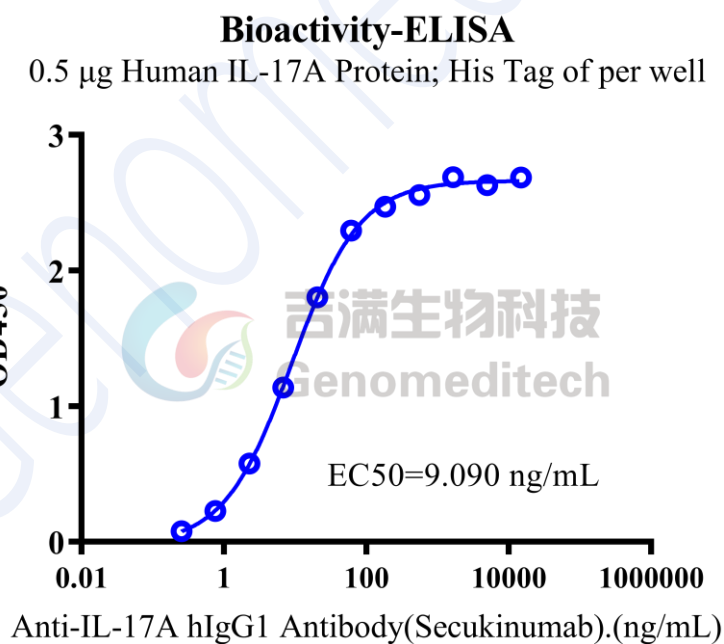
Alternative Names	IL-17A, Interleukin-17A, CTLA-8, IL-17
Source	Human IL-17A Protein; His Tag (GM-87868RP) is expressed from human 293 cells (HEK-293). It contains AA Gly 24 - Ala 155 (Accession # Q16552-1). This protein carries a His tag at the N-terminus.
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	15.2 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	<p>IL-17A (Interleukin-17A, also known as CTLA-8) is a cytokine produced by T cells and belongs to the IL-17 family. It plays a critical role in many immune responses, particularly in the regulation of inflammation and autoimmune diseases. IL-17A promotes inflammatory responses and participates in tissue repair by stimulating other immune cells, such as macrophages and fibroblasts, to produce pro-inflammatory cytokines and chemokines.</p> <p>IL-17A plays an important role in various diseases, such as rheumatoid arthritis, psoriasis, and several chronic inflammatory conditions. Due to its significance in pathological processes, IL-17A and its signaling pathways have become a focal point of research in the biopharmaceutical field, with targeted therapies being developed to improve the prognosis of patients with these conditions.</p>

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 90%.

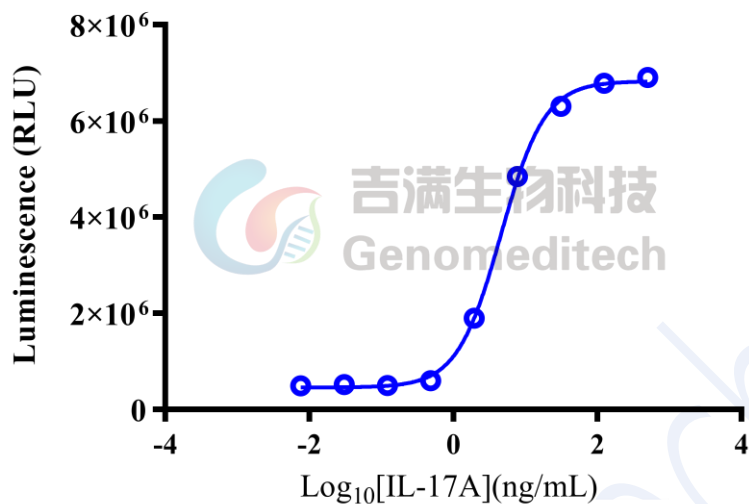
Bioactivity-ELISA



Human IL-17A Protein; His Tag (Catalog # GM-87868RP) was immobilized at 5 μ g/ml (100 μ L/well).
Increasing concentrations of Anti-IL-17A hIgG1 Antibody(Secukinumab) (Catalog # GM-27267AB) were added.

Bioactivity CELL BASE

H_IL17A Reporter 293 DDX35TM Cell Line



	H_IL17A Reporter 293 DDX35TM
EC50	4.613

Human IL-17A Protein; His Tag (Catalog # GM-87868RP) was added to H_IL17A Reporter 293 DDX35TM Cell Line (Catalog # GM-C26020), and stimulates IL-17A/IL-17R signals.