

Human IL-17F Protein; His Tag

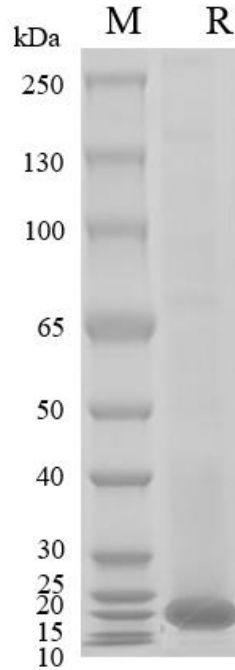
Product Information

Product Name	Human IL-17F 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-87869RP-100 / 100 μg GM-87869RP-1000 / 1 mg

Protein Information

Alternative Names	IL-17F, Interleukin-17F, Cytokine ML-1
Source	Human IL-17F Protein; His Tag (GM-87869RP) is expressed from human 293 cells (HEK-293). It contains AA Arg 31 - Gln 163 (Accession # Q96PD4-1). 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	15.3 KDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	<p>IL-17F (Interleukin-17F, also known as Cytokine ML-1) is a cytokine produced by T cells and other immune cells, belonging to the IL-17 family. It plays an important role in regulating immune responses and inflammation, particularly in asthma and other allergic reactions. IL-17F enhances the inflammatory response by stimulating relevant cells to release pro-inflammatory cytokines and chemokines, thereby influencing the activity of the immune system.</p> <p>IL-17F is significant in various pathological conditions, including autoimmune diseases and chronic inflammatory diseases. Studies have shown that IL-17F has some functional redundancy with IL-17A, but also exhibits distinct biological characteristics. Due to its importance in diseases, IL-17F has become a subject of research for targeted therapies, with the hope of developing effective treatment options to improve the conditions of patients affected by related diseases.</p>

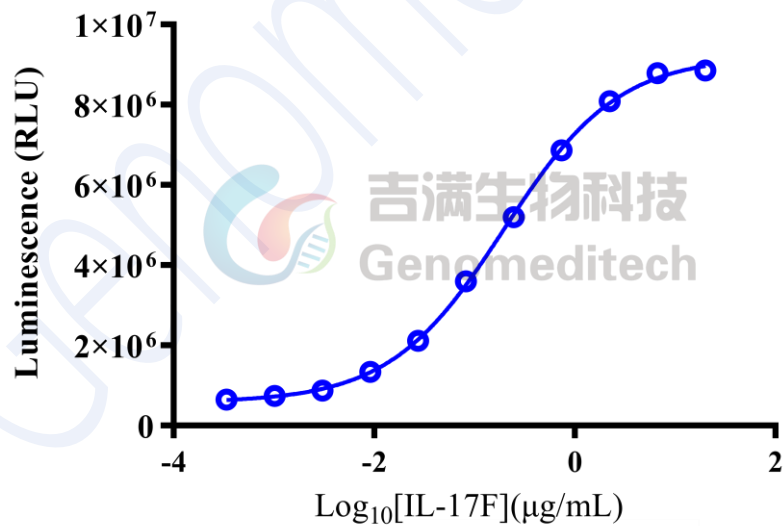
SDS-PAGE



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 CELL BASE

H_IL17A Reporter 293 DDX35TM Cell Line



	H_IL17A Reporter 293 DDX35TM
EC50	0.1967

Human IL-17F Protein; His Tag (Catalog # GM-87869RP) was added to H_IL17A Reporter 293 DDX35TM Cell Line (Catalog # GM-C26020), and stimulates IL-17F/IL-17R signals.