

Human IL-17RA Protein; His Tag

Product Information

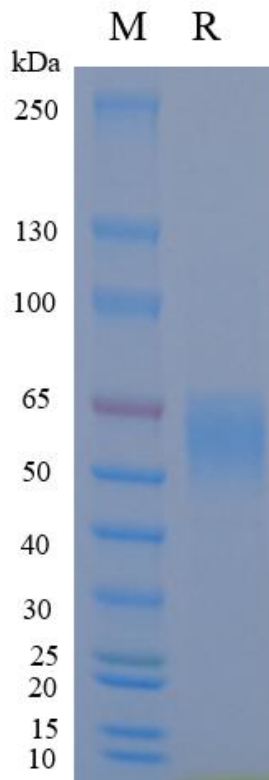
Product Name	Human IL-17RA Protein; His Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Catalog# / Size	GM-88666RP-100 / 100 μg GM-88666RP-1000 / 1 mg
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Protein Information

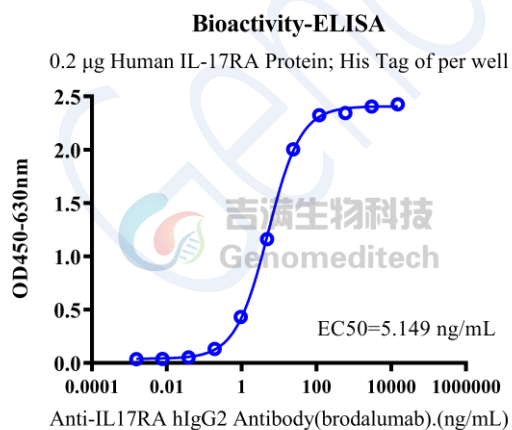
Alternative Names	CD217, CDw217, IL17R, CANDF5
Source	Human IL-17RA Protein; His Tag (GM-88666RP) is expressed from human 293 cells (HEK-293). It contains AA Leu 33 - Trp 320 (Accession # Q96F46-1). This protein carries a His tag at the C-terminus.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	34.3 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4 .
Description	IL-17RA protein, full name Interleukin-17 Receptor A, is an important cell membrane receptor protein and a member of the interleukin-17 receptor family. IL-17RA protein plays a crucial role in regulating inflammatory responses, host defense against extracellular bacteria and fungi, and maintaining mucosal barrier integrity in normal physiological conditions. Abnormal expression or dysregulation of IL-17RA protein is closely associated with the occurrence and development of various inflammatory and autoimmune diseases, including psoriasis, psoriatic arthritis, ankylosing spondylitis, and inflammatory bowel disease. Currently, several IL-17RA-targeted therapeutic strategies have been developed or are under clinical investigation, including monoclonal antibodies such as brodalumab, which blocks IL-17RA-mediated signaling by preventing binding of multiple IL-17 family ligands (including IL-17A, IL-17F, IL-17C, and IL-17E). In summary, IL-17RA protein plays a critical role in the development and progression of inflammatory and autoimmune diseases, and is of great significance for understanding disease pathogenesis, selecting targeted therapeutic 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



Human IL-17RA Protein; His Tag (Catalog # GM-88666RP) was immobilized at 2 μ g/ml (100 μ L/well). Increasing concentrations of Anti-IL17RA hIgG2Antibody (brodalumab) (Catalog # GM-47619AB) were added.