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Product Sheet

Human IL-21R Protein; His Tag

GM-88570RP-100 / 100 μg
GM-88570RP-1000 / 1 mg

Product Information

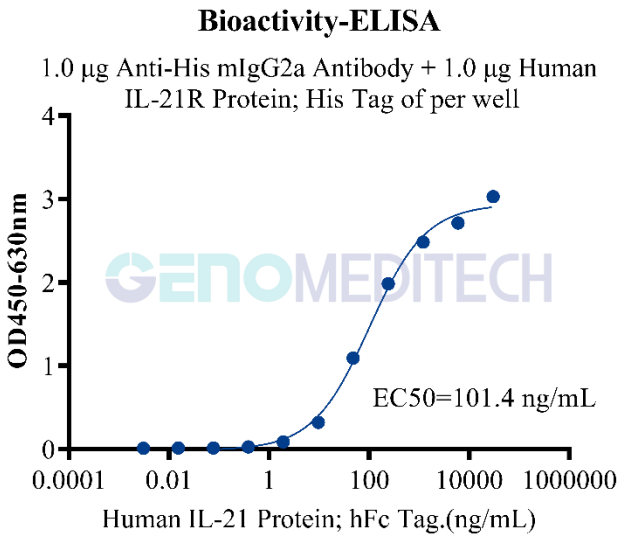
Product Name	Human IL-21R Protein; His Tag
Source	Human IL-21R Protein; His Tag (GM-88570RP) is expressed from human 293 cells (HEK-293). It contains AA Cys 20 - Pro 236 (Accession # Q9HBE5-1). This protein carries a His tag at the C-terminus.
Predicted MW	25.8 kDa
Purity	> 90% as determined by SDS-PAGE
Endotoxin	< 1 EU/μg, determined by LAL gel clotting assay
Formulation	Liquid; Supplied as a 0.2 μm filtered solution of PBS, pH 7.2–7.4.
Storage	Store at ≤ -70℃, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Shipping	Shipped on dry ice.
Synonyms	IL21R, CD360, NILR
Background	IL-21R (interleukin-21 receptor, CD360) is a type I cytokine receptor that binds IL-21 and pairs with the common γ chain shared by the receptors for IL-2, IL-4, IL-7, IL-9 and IL-15. Present on T, B and natural killer cells, it signals through JAK1 and JAK3, phosphorylating STAT3 and, to a lesser extent, STAT1 and STAT5, with concomitant PI3K-AKT and MAPK activation. IL-21R signaling drives B-cell proliferation and plasma-cell differentiation, promotes Th17 polarization and CD8+ T-cell and NK-cell effector function, and sustains immunity to chronic viral infection. Biallelic loss-of-function variants cause a combined immunodeficiency, whereas excessive IL-21R signaling contributes to autoimmune and inflammatory disorders.

Version 4.0.26.1019

For research use only!

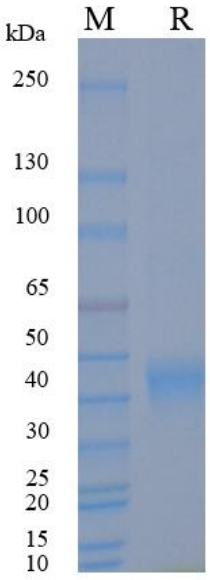
Data

Affinity



Human IL-21R Protein; His Tag (Catalog # GM-88570RP; 10 μg/mL, 100 μL/well) was added to ELISA plates pre-coated with Anti-His mIgG2a Antibody (Catalog # GM-59493AB; 10 μg/mL, 100 μL/well), followed by incubation with increasing concentrations of Human IL-21 Protein; hFc Tag (Catalog # GM-89004RP).

Purity



On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 90%.

Related Products

IL-21	
H_IL-21 Reporter 293 Cell Line	H_IL-21 Reporter Cell Line
Membrane Bound H_IL21 K562 Cell Line	

Cynomolgus IL-21R Protein; hFc Tag	

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