

Product Sheet



Human IL-5RA Protein; His Tag

GM-88684RP-100 / 100 µg

GM-88684RP-1000 / 1 mg

Product Information

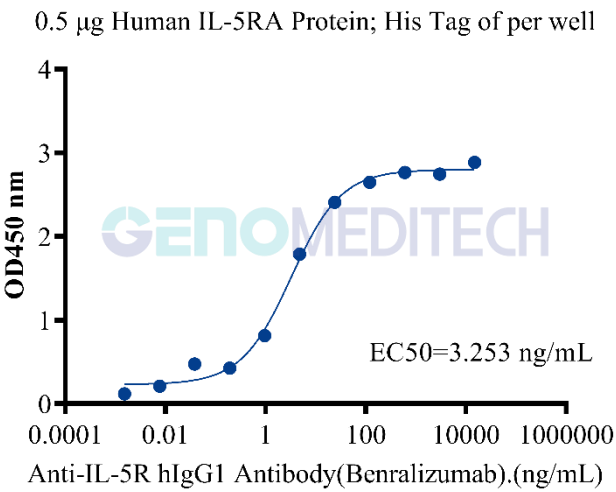
Product Name	Human IL-5RA Protein; His Tag
Source	Human IL-5RA Protein; His Tag (GM-88684RP) is expressed from human 293 cells (HEK-293). It contains AA Asp 21 - Trp 342 (Accession # Q01344-1). This protein carries a His tag at the C-terminus.
Predicted MW	36.7 kDa
Purity	> 90% as determined by SDS-PAGE
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°C, 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	IL5Ra, CD125
Background	Interleukin-5 receptor subunit alpha (IL5RA, also designated CD125) is a type I transmembrane protein belonging to the type 5 subgroup of the cytokine receptor family. The extracellular region comprises two fibronectin type III domains, conferring specificity for interleukin-5 (IL-5) binding. Upon ligand engagement, IL5RA heterodimerizes with the shared beta common subunit (CSF2RB/CD131), activating JAK2-dependent JAK/STAT, MAPK, and SHC signaling cascades that regulate eosinophil and basophil survival, differentiation, and chemotaxis. Alternatively spliced soluble isoforms act as decoy receptors modulating IL-5 bioavailability. Given its pivotal role in eosinophil-mediated inflammation, IL5RA constitutes a validated therapeutic target.

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Data

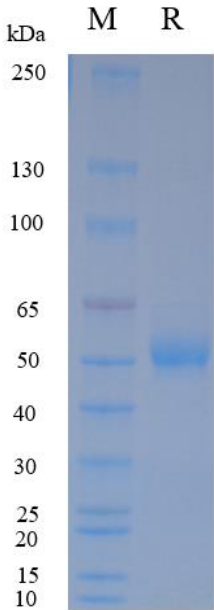
Affinity

Bioactivity-ELISA



Human IL-5RA Protein; His Tag (Catalog # GM-88684RP) was immobilized at 5 µg/ml (100 µL/well). Increasing concentrations of Anti-IL-5R hIgG1 Antibody(Benralizumab) (Catalog # GM-46851AB) were added.

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-4/IL-13	
IL-4 Reporter Cell Line	IL-4/IL-13 Reporter 293 Cell Line
IL-4/IL-13 Reporter 293 DDX35TM Cell Line	Cynomolgus_IL4R CHO-K1 Cell Line
H_IL4R CHO-K1 Cell Line	H_IL4R CHO-K1 Cell Line (Low Expression)

H_IL4R HEK-293 Cell Line	Mouse_IL4R CHO-K1 Cell Line
Anti-IL13 hIgG4 Reference Antibody (Lebribio)	Anti-IL-4R hIgG1 Antibody(12B5)
Anti-IL4R hIgG4 Antibody(Dupilumab)	Anti-IL4R hIgG4 Reference Antibody (Dupbio)
Anti-IL-4R×IL31 hIgG4 Reference Antibody (PRO2198)	Anti-Mouse IL-4RA mIgG1 Antibody
Biotinylated Human IL-4R alpha Protein; Avi-His Tag	Cynomolgus IL-13 Protein; His Tag
Cynomolgus IL-13RA1 Protein; hFc Tag	Cynomolgus IL-13RA1 Protein; His Tag
Cynomolgus IL-4 Protein; His Tag	Cynomolgus IL-4R alpha Protein; His Tag
Human IL-13 Protein; His Tag	Human IL-13RA1 Protein; hFc Tag
Human IL-13RA1 Protein; His Tag	Human IL-4 Protein; His Tag
Human IL-4R alpha Protein; hFc Tag	Human IL-4R alpha Protein; His Tag
Human IL-4R alpha Protein; mFc Tag	Mouse IL-13 Protein; His Tag
Mouse IL-4R alpha Protein; His Tag	Rat IL-4R alpha Protein; His Tag
TSLP:TSLPR	
H_TSLP Reporter 293 Cell Line	H_TSLP Reporter Cell Line
H_TSLPR CHO-K1 Cell Line	H_TSLPR IL7RA BaF3 Cell Line
Anti-H_TSLPR hIgG1 Antibody	Anti-TSLP hIgG2 Antibody(Tezepelumab)
Anti-TSLP hIgG2 Reference Antibody (Tezbio)	
Biotinylated Human TSLP Protein; His-Avi Tag	Cynomolgus TSLP Protein; His Tag
Cynomolgus TSLPR Protein; His Tag	Human TSLP Protein; hFc Tag
Human TSLP Protein; His Tag	Human TSLPR Protein; hFc Tag
Human TSLPR Protein; His Tag	
IL-5	
H_IL-5 Reporter 293 Cell Line	Cynomolgus_IL-5RA HEK-293 Cell Line
H_IL-5RA CHO-K1 Cell Line	H_IL-5RA HEK-293 Cell Line
H_IL-5RA TF-1 Cell Line	
Anti-IL5 hIgG4 Antibody(Reslizumab)	Anti-IL-5R hIgG1 Antibody(Benralizumab)
Cynomolgus IL-5 Protein; hFc Tag	Cynomolgus IL-5 Protein; His Tag
Human IL-5 Protein; hFc Tag	Human IL-5 Protein; His Tag