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Product Sheet

Mouse IL-22 Protein; His Tag

GM-89066RP-100 / 100 μg
GM-89066RP-1000 / 1 mg

Product Information

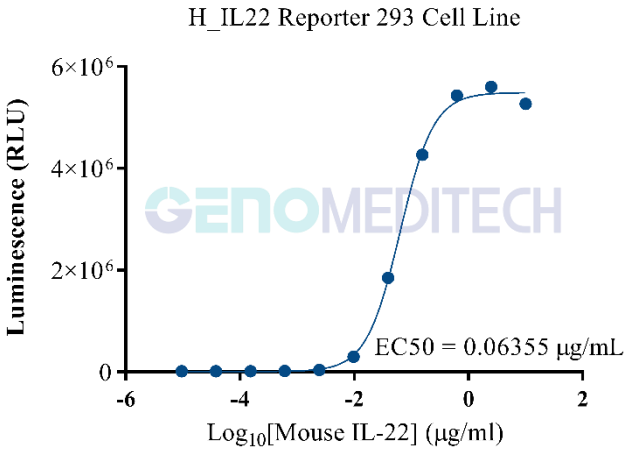
Product Name	Mouse IL-22 Protein; His Tag
Source	Mouse IL-22 Protein; His Tag (GM-89066RP) is expressed from human 293 cells (HEK-293). It contains AA Leu 34 - Val 179 (Accession # Q9JJY9). This protein carries a His tag at the N-terminus.
Predicted MW	17.5 kDa
Purity	> 90% as determined by SDS-PAGE
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	IL22, IL-TIF, ZCYTO18
Background	IL-22 (Interleukin-22) is a cytokine secreted by immune cells, belonging to the family of cytokines produced by γδT cells, TC17 cells, and helper T cells. It mainly acts on epithelial cells, promoting tissue repair and regeneration, enhancing local immune defenses, and playing an important role in antimicrobial and antiviral responses. IL-22 binds to its receptor to activate intracellular signaling pathways, regulating immune responses and inflammation processes. It is crucial for maintaining the integrity of mucosal barriers and defense mechanisms. In addition to its role in immune regulation, IL-22 is also involved in the development of various diseases, including autoimmune diseases, chronic inflammation, and certain types of cancer. IL-22's structure features characteristic protein domains that ensure its binding to specific receptors and signal transduction, allowing it to exert multiple protective and regulatory effects within the immune system.

Version 4.0.26.1013

For research use only!

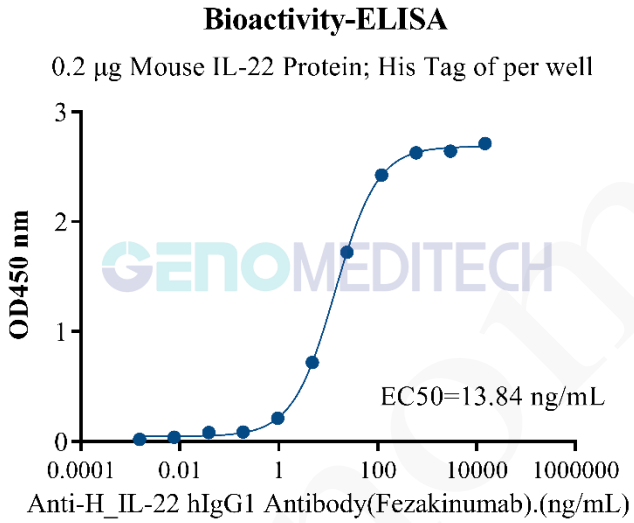
Data

Biological Activity



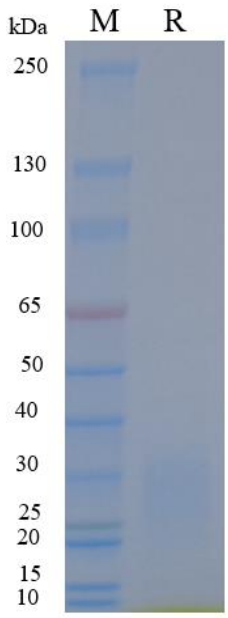
Mouse IL-22 Protein; His Tag (Catalog # GM-89066RP) was added into H_IL22 Reporter 293 Cell Line (Catalog # GM-C19682) and stimulates related signals.

Affinity



Mouse IL-22 Protein; His Tag (Catalog # GM-89066RP) was immobilized at 2 μg/ml (100 μL/well). Increasing concentrations of Anti-H_IL-22 hIgG1 Antibody (Fezakinumab) (Catalog # GM-46509AB) 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-22	
H_IL22RA IL10RB BAF3 Cell Line	H_IL22RA IL20RB BAF3 Cell Line
Cynomolgus_IL22 Reporter 293 Cell Line	H_IL19 IL20 IL24 Reporter 293 Cell Line
H_IL20 IL22 IL24 Reporter 293 Cell Line	H_IL22 Reporter 293 Cell Line
Cynomolgus_IL22R HEK-293 Cell Line	H_IL22R CHO-K1 Cell Line
H_IL22R HEK-293 Cell Line	Mouse_IL22R HEK-293 Cell Line
Anti-H_IL-22 hIgG1 Antibody(Fezakinumab)	Anti-H_IL-22R1 hIgG1 Antibody(ARGX-112)
Anti-IL-22RA hIgG1 Antibody (280.346.TSY)	Anti-IL-22RA hIgG1 Reference Antibody (Temtobio)
Biotinylated Human IL-22 Protein; His-Avi Tag	Human IL-22 Protein; hFc Tag
Human IL-22 Protein; His Tag	Human IL-22BP Protein; hFc Tag
Human IL-22BP Protein; His Tag	Mouse IL-22 Protein; mFc Tag
Mouse IL-22RA1 Protein; His Tag	