

Cynomolgus CLEC7A Protein; His Tag

Product Information

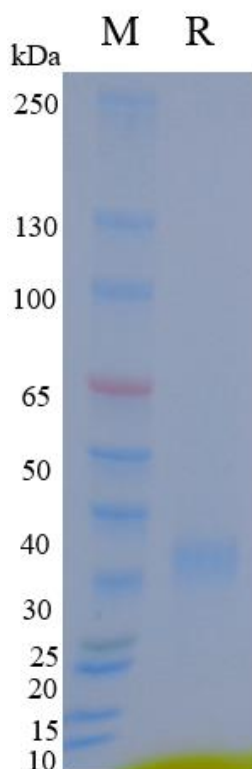
Product Name	Cynomolgus CLEC7A Protein; His Tag
Storage temp	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Catalog# / Size	GM-88617RP-100 / 100 μg GM-88617RP-1000 / 1 mg

Protein Information

Alternative Names	BGR, CANDF4, CD369, CLECSF12, DECTIN1, SCARE2
Source	Cynomolgus CLEC7A Protein; His Tag (GM-88617RP) is expressed from human 293 cells (HEK-293). It contains AA Thr 100 - Met 281 (Accession # A0A2K5UXY6). This protein carries a His tag at the N-terminus.
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/ μg , determined by LAL gel clotting assay
Predicted Mol Mass	21.3 kDa
Formulation	Supplied as a 0.2 μm filtered solution of PBS, pH7.2-7.4.
Description	CLEC7A protein, full name C-Type Lectin Domain Family 7 Member A, also known as Dectin-1, is an important pattern recognition receptor (PRR) and a member of the C-type lectin receptor family. CLEC7A protein plays a crucial role in mediating innate immune responses against fungal pathogens by recognizing β-glucans on fungal cell walls in normal physiological conditions. Currently, CLEC7A-targeted therapeutic strategies are under active investigation, including neutralizing monoclonal antibodies, small molecule inhibitors, and immunomodulatory agents, which aim to modulate CLEC7A-mediated inflammatory and immune responses, thereby potentially improving patient outcomes in inflammatory and infectious diseases. In summary, CLEC7A protein plays a pivotal role in innate immunity and inflammatory regulation, and holds great significance for understanding immunological pathogenesis, identifying novel therapeutic targets, developing immunomodulatory strategies, and evaluating patient prognosis in infectious and inflammatory diseases.

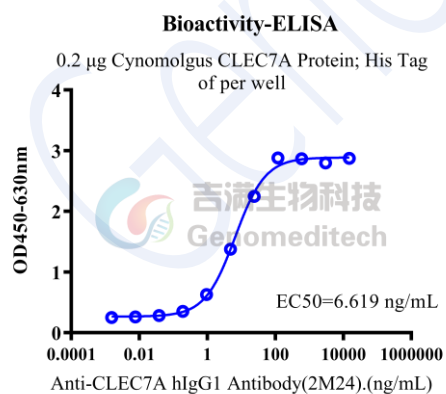
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SDS-PAGE



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



Cynomolgus CLEC7A Protein; His Tag (Catalog # GM-88617RP) was immobilized at 2 μ g/ml (100 μ L/well).
Increasing concentrations of Anti-CLEC7A hIgG1 Antibody (2M24) (Catalog # GM-52426AB) were added.