

Biotinylated Cynomolgus CLEC4C / BDCA2 Protein, Avitag™,His Tag

Catalog # CLC-C82Q3



Synonym

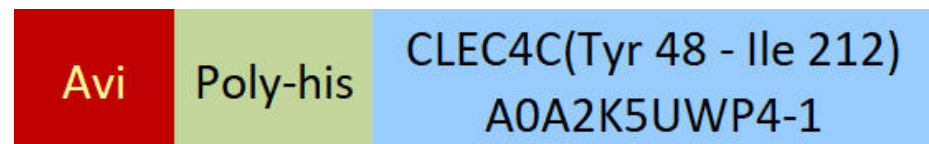
DLEC, CLEC4C, BDCA-2, CD303, CLECSF11, CLECSF7, HECL

Source

Biotinylated Cynomolgus CLEC4C Protein, Avitag,His Tag (CLC-C82Q3) is expressed from human 293 cells (HEK293). It contains AA Tyr 48 - Ile 212 (Accession # [A0A2K5UWP4-1](#)).

Predicted N-terminus: Gly

Molecular Characterization



This protein carries an Avi tag (Avitag™) at the N-terminus, followed by a polyhistidine tag.

The protein has a calculated MW of 26.9 kDa. The protein migrates as 30-35 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Labeling

Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.

Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

Purity

>90% as determined by SDS-PAGE.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, 0.2 M Arginine, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

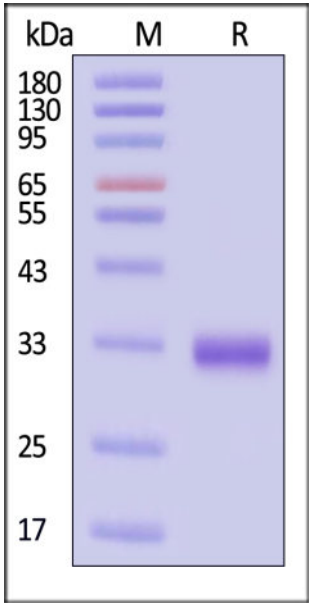
This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

ACRO Quality Management System

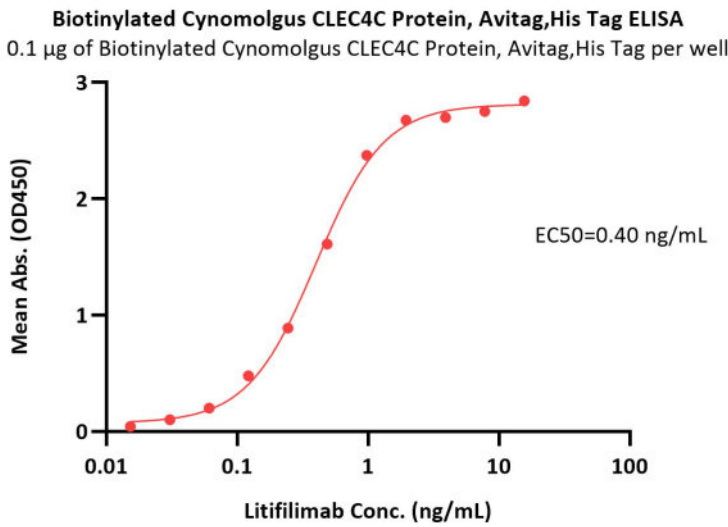
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Biotinylated Cynomolgus CLEC4C Protein, Avitag,His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

Bioactivity-ELISA



Immobilized Biotinylated Cynomolgus CLEC4C Protein, Avitag,His Tag (Cat. No. CLC-C82Q3) at 1 µg/mL (100 µL/well) on streptavidin (Cat. No. STN-N5116) precoated (0.5 µg/well) plate can bind Litifilimab with a linear range of 0.02-1 ng/mL (QC tested).

Background

CLEC4C (C-type lectin domain family 4 member C), also known as BDCA2, CLECSF11, CLECSF7, DLEC and CD303. Lectin-type cell surface receptor which may play a role in antigen capturing by dendritic cell. Specifically recognizes non-sialylated galactose-terminated biantennary glycans containing the trisaccharide epitope Gal(beta1-3/4)Glcc(beta1-2)Man. Binds to serum IgG. Efficiently targets ligand into antigen-processing and peptide-loading compartments for presentation to T-cells. May mediate potent inhibition of induction of IFN-alpha/beta expression in plasmacytoid dendritic cells. May act as a signaling receptor that activates protein-tyrosine kinases and mobilizes intracellular calcium.



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