



Synonym

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

Source

Cynomolgus CLEC4C Protein, Fc Tag (CLC-C5253) is expressed from human 293 cells (HEK293). It contains AA Tyr 48 - Ile 212 (Accession # [A0A2K5UWP4-1](#)).

Predicted N-terminus: Pro

Molecular Characterization

Fc(Pro 100 - Lys 330) P01857-1	CLEC4C(Tyr 48 - Ile 212) A0A2K5UWP4-1
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This protein carries a human IgG1 Fc tag at the N-terminus.

The protein has a calculated MW of 45.9 kDa. The protein migrates as 53-63 KDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

Purity

>90% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Formulation

Lyophilized from 0.22 µm filtered solution in PBS, 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.

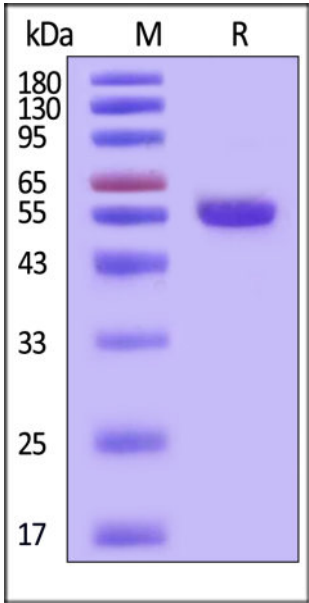
This product is stable after storage at:

- -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

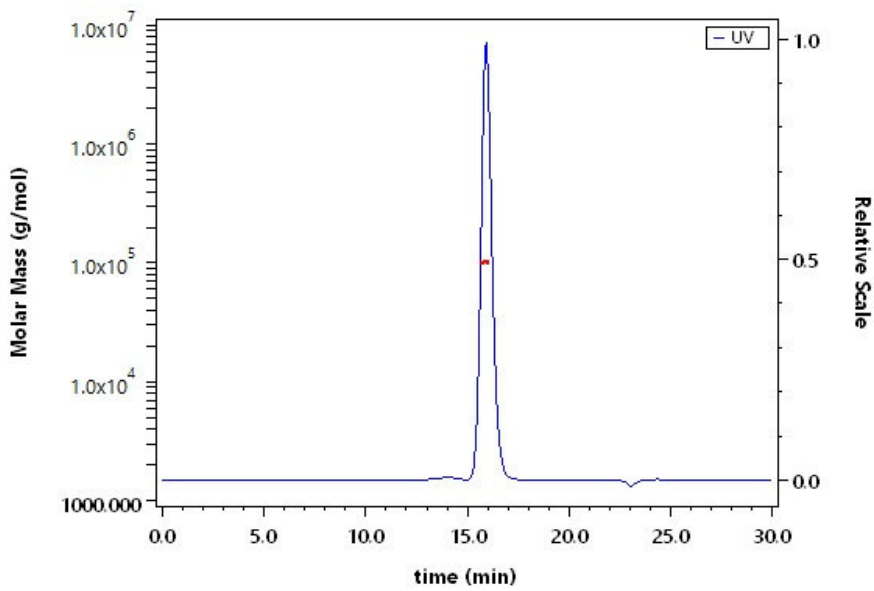
- [QMS\(ISO, GMP\)](#).
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



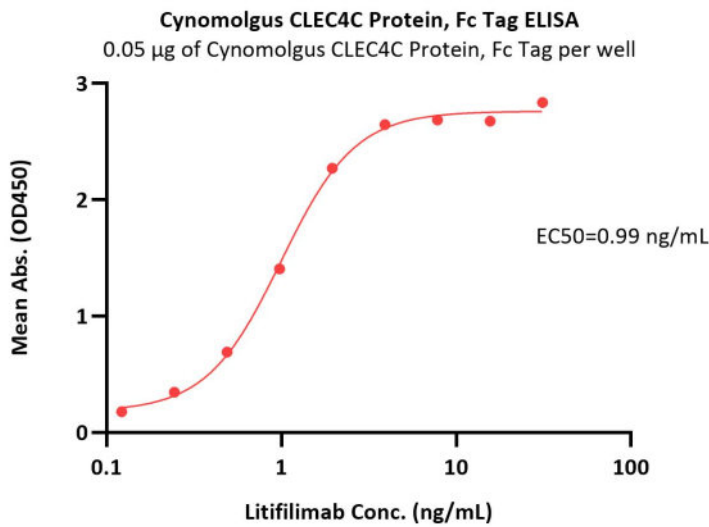
Cynomolgus CLEC4C Protein, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Cynomolgus CLEC4C Protein, Fc Tag (Cat. No. CLC-C5253) is more than 90% and the molecular weight of this protein is around 95-120 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Cynomolgus CLEC4C Protein, Fc Tag (Cat. No. CLC-C5253) at 0.5 µg/mL (100 µL/well) can bind Litifilimab with a linear range of 0.1-2 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)GlcNAc(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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