



### Synonym

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

### Source

Human CLEC4C, His Tag(CLC-H5245) is expressed from human 293 cells (HEK293). It contains AA Asn 45 - Ile 213 (Accession # [Q8WTT0-1](#) ).

Predicted N-terminus: His

### Molecular Characterization

Poly-his CLEC4C(Asn 45 - Ile 213)  
Q8WTT0-1

This protein carries a polyhistidine tag at the N-terminus.

The protein has a calculated MW of 26.6 kDa. The protein migrates as 33-40 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

### Endotoxin

Less than 1.0 EU per µg by the LAL method.

### Purity

>90% as determined by SDS-PAGE.

### 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

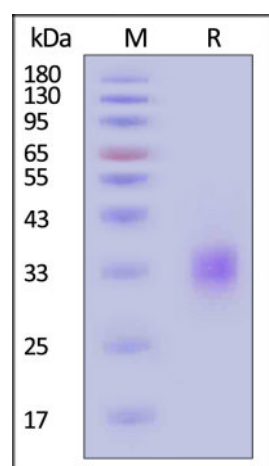
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*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.

### SDS-PAGE



Human CLEC4C, 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](#)).

### 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

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## Human CLEC4C / BDCA2 Protein, His Tag

Catalog # CLC-H5245



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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.

### Clinical and Translational Updates

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.

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