



Synonym

CLEC-2, CLEC1B, C-type Lectin-like Receptor 2

Source

Human CLEC-2, His Tag (CL2-H5247) is expressed from human 293 cells (HEK293). It contains AA Ser 55 - Pro 229 (Accession # [Q9P126-1](#)).

Predicted N-terminus: His

Molecular Characterization

Poly-his CLEC-2(Ser 55 - Pro 229)
Q9P126-1

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

The protein has a calculated MW of 22.6 kDa. The protein migrates as 34-40 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

Endotoxin

Less than 0.2 EU per µg by the LAL method.

Purity

>95% 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

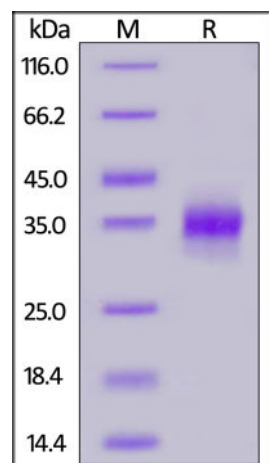
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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.

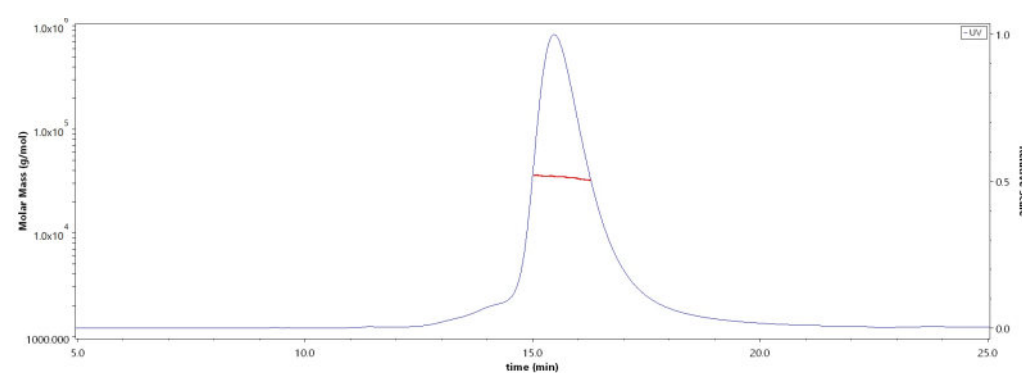
SDS-PAGE



Human CLEC-2, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-ELISA

SEC-MALS

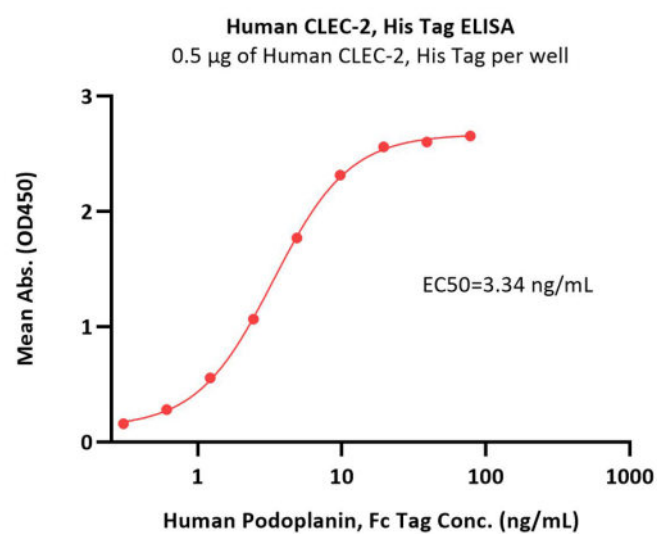


The purity of Human CLEC-2, His Tag (Cat. No. CL2-H5247) is more than 90% and the molecular weight of this protein is around 28-42 kDa verified by SEC-MALS.

[Report](#)

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Immobilized Human CLEC-2, His Tag (Cat. No. CL2-H5247) at 5 µg/mL (100 µL/well) can bind Human Podoplanin, Fc Tag (Cat. No. PON-H5254) with a linear range of 0.3-20 ng/mL (QC tested).

Background

C-type lectin-like receptor 2 (CLEC-2) is a hemITAM containing receptor that is highly expressed on platelets and regulates many of the non-classical functions of these cells, including in inflammation and infection.

Clinical and Translational Updates

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