

Biotinylated Human FCRL5 Protein, His,Avitag™ (MALS & SPR verified)

Catalog # FC5-H82E3



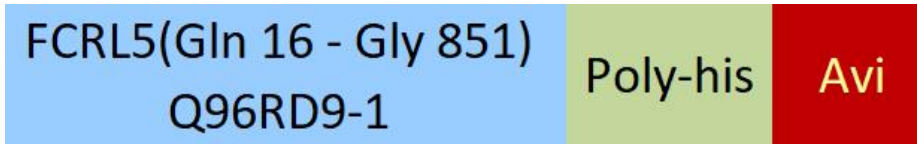
Synonym

BXMAS1, CD307, CD307e, FCRH5, IRTA2, PRO820

Source

Biotinylated Human FCRL5, His,Avitag (FC5-H82E3) is expressed from human 293 cells (HEK293). It contains AA Gln 16 - Gly 851 (Accession # [Q96RD9-1](#)).

Molecular Characterization



Other Tags and Version [Biotin & Other Labeled Version](#)

This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™). The protein has a calculated MW of 95.0 kDa. The protein migrates as 105-125 kDa 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

>95% 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.

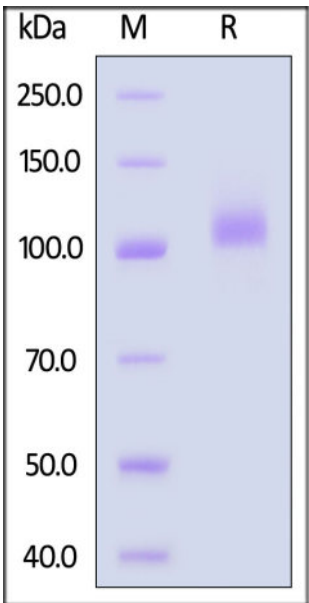
This product is stable after storage at:

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

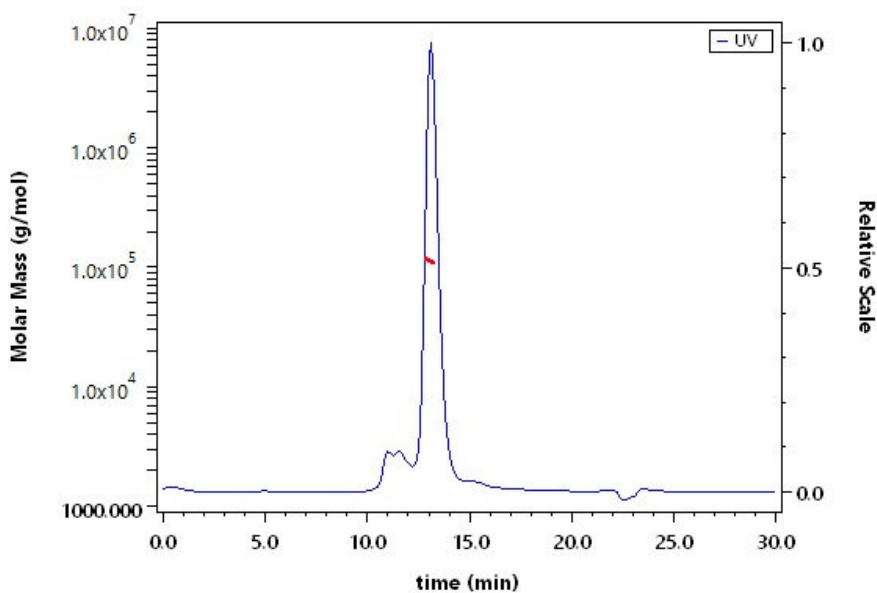
ACRO Quality Management System

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

SDS-PAGE



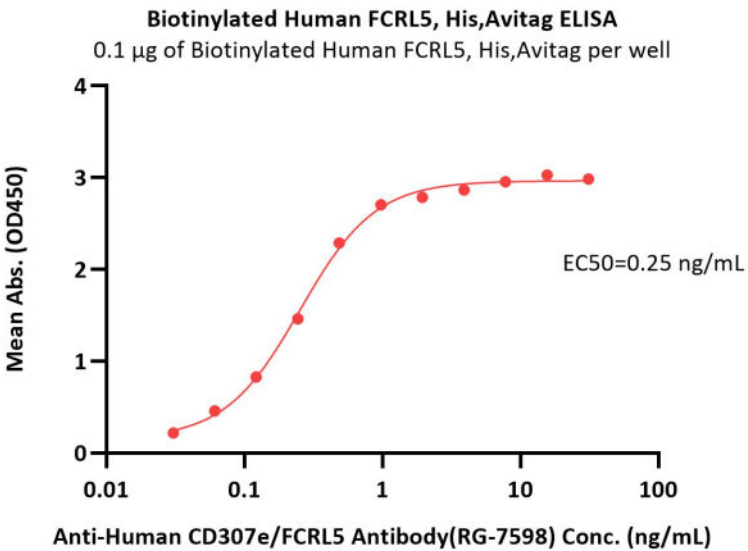
SEC-MALS



Biotinylated Human FCRL5, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

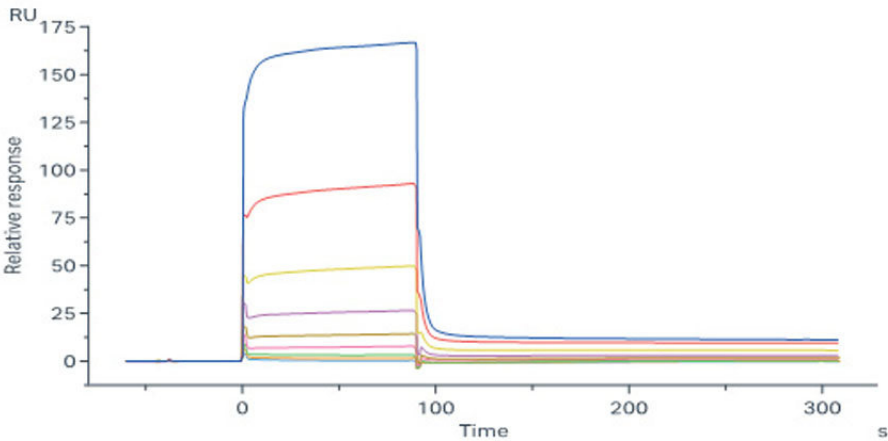
The purity of Biotinylated Human FCRL5, His,Avitag (Cat. No. FC5-H82E3) is more than 85% and the molecular weight of this protein is around 100-120 kDa verified by SEC-MALS.

Bioactivity-ELISA



Immobilized Biotinylated Human FCRL5, His,Avitag (Cat. No. FC5-H82E3) at 1 µg/mL (100 µL/well) on streptavidin (Cat. No. STN-N5116) precoated (0.5 µg/well) plate can bind Anti-Human CD307e/FCRL5 Antibody(RG-7598) with a linear range of 0.03-1 ng/mL (QC tested).

Bioactivity-SPR



Biotinylated Human FCRL5 Protein, His,Avitag (Cat. No. FC5-H82E3) capture on NTA-Series S sensor chip can bind Ipilimumab with an affinity constant of 18.5 µM as determined in a SPR assay (Biacore 8K) (QC tested).

Background

May be involved in B-cell development and differentiation in peripheral lymphoid organs and may be useful markers of B-cell stages. May have an immunoregulatory role in marginal zone B-cells.

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