

Biotinylated Human ANGPTL7 / CDT6 Protein, Avitag™ (MALS verified)

Catalog # AN7-H8213



Synonyms

ANGPTL7, CDT6

Source

Biotinylated Human ANGPTL7 Protein, Avitag (AN7-H8213) is expressed from human 293 cells (HEK293). It contains AA Gln 27 - Pro 346 (Accession # [O43827](#)).

Predicted N-terminus: Gln 27

Molecular Characterization

ANGPTL7 (Gln 27 - Pro 346)

O43827

Avi

This protein carries an Avi tag (Avitag™) at the C-terminus.

The protein has a calculated MW of 38.9 kDa. The protein migrates as 45-55 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

The protein is designed as a trimer.

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 SABA assay / HABA assay / binding ELISA.

Endotoxin

Less than 1.0 EU per µg by the LAL method / rFC method.

Purity

>95% as determined by SDS-PAGE.

>95% 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.

Shipping and Storage

This product is shipped at ambient temperature.

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

Please avoid repeated freeze-thaw cycles.

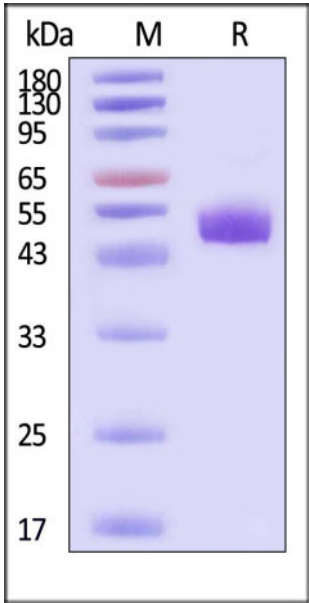
This product is stable after storage at:

- -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

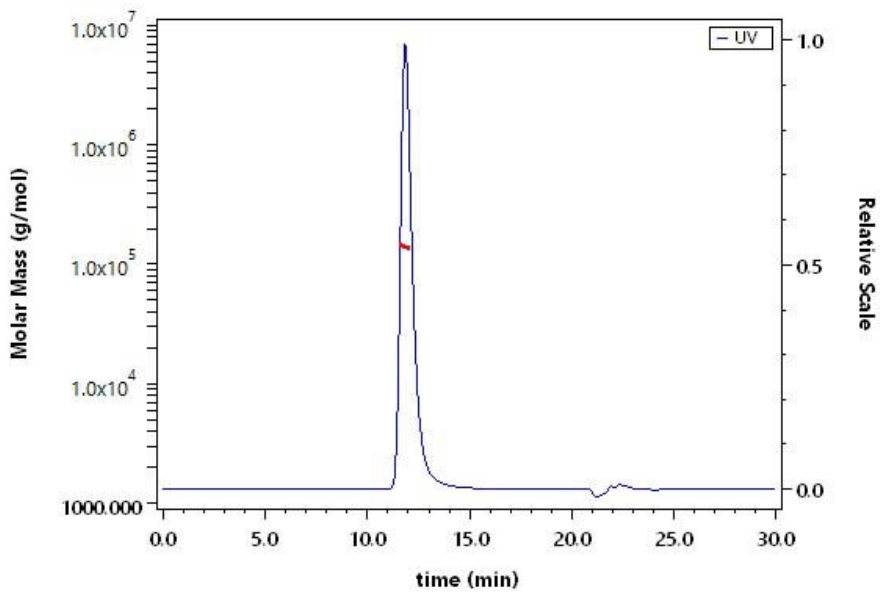
- [QMS\(ISO, GMP\)](#)
- [Quality Advantages](#)
- [Quality Control Process](#)

SDS-PAGE



Biotinylated Human ANGPTL7 Protein, Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With [Star Ribbon Pre-stained Protein Marker](#)).

SEC-MALS



The purity of Biotinylated Human ANGPTL7 Protein, Avitag (Cat. No. AN7-H8213) is more than 95% and the molecular weight of this protein is around 125-150 kDa verified by SEC-MALS.

Background

Angiopoietin-like 7 (ANGPTL7), also known as cornea-derived transcript 6 (CDT6), is a secreted glycoprotein structurally related to the angiopoietins. It is expressed in the corneal stroma, trabecular meshwork, and sclera, and is elevated in the aqueous humor of glaucoma patients. Recently, ANGPTL proteins, including ANGPTL-2, -3, -5, and -7, have been identified as factors that, in combination with SCF, thrombopoietin (TPO), IGF-II, and acidic FGF (FGF-1), enhance the expansion and engraftment of human and mouse hematopoietic stem cells.



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