

**Synonym**

ANGPTL7,CDT6

Source

Human ANGPTL7 Protein, His Tag(AN7-H52H3) is expressed from human 293 cells (HEK293). It contains AA Gln 27 - Pro 346 (Accession # [O43827-1](#)).

Molecular Characterization

ANGPTL7(Gln 27 - Pro 346)	Poly-his
O43827-1	

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

The protein has a calculated MW of 39.0 kDa. The protein migrates as 48-55 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 μ g by the LAL method / rFC method.

Purity

>90% as determined by SDS-PAGE.

Formulation

Supplied as 0.2 μ m filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

Shipping

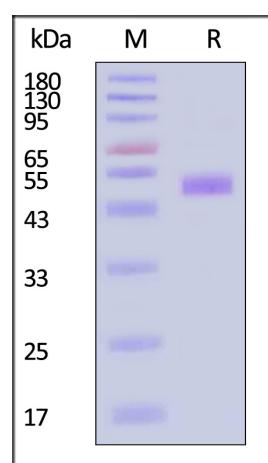
This product is supplied and shipped with dry ice, please inquire the shipping cost.

Storage

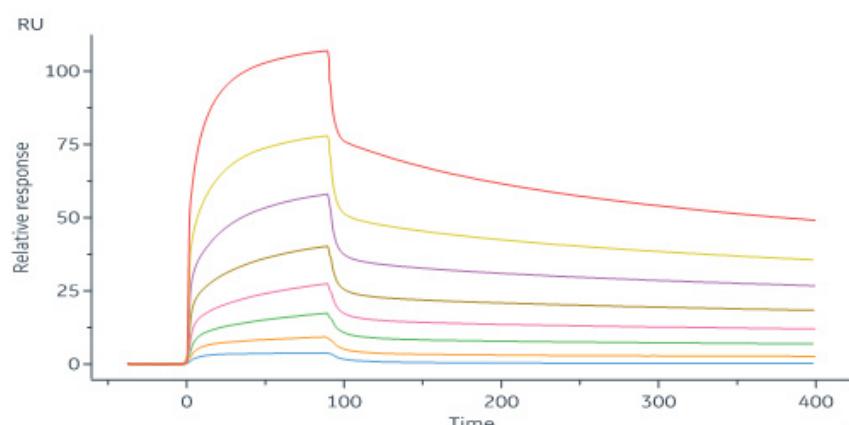
Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- The product MUST be stored at -70°C or lower upon receipt;
- -70°C for 3 months under sterile conditions.

SDS-PAGE

Human ANGPTL7 Protein, 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](#)).

Bioactivity-SPR

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Human ANGPTL7 / CDT6 Protein, His Tag

Catalog # AN7-H52H3



BIOSYSTEMS
Acro
Surprise Inside!

Cynomolgus LILRB4, His Tag (Cat. No. CDK-C5227) immobilized on CM5 Chip can bind Human ANGPTL7 Protein, His Tag (Cat. No. AN7-H52H3) with an affinity constant of 0.792 μ M as determined in a SPR assay (Biacore 8K) (Routinely tested).

Background

Angiopoietin-like 7 (ANGPTL7) is also known as Corneal-Derived Transcript 6 (CDT6), and is a secreted glycoprotein that is structurally related to the angiopoietins. It is expressed in the corneal stroma, trabecular meshwork, and sclera and is elevated in glaucoma aqueous humor. Recently, ANGPTL proteins, including ANGPTL-2, -3, -4, -5 and -7, are identified as growth factors in combination with SCF, Thrombopoietin, IGF-II and FGF acidic that enhance the expansion and engraftment of human and mouse hematopoietic stem cells.

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