

## Recombinant Human ANGPTL7, Fibrinogen-like Domain, FLAG-tagged

Cat. No. ANGPTL7-409H Lot. No. (See product label)

### SPECIFICATION

#### Product Overview

Recombinant human Fibrinogen-like domain of ANGPTL7 (angiopoietin-like protein 7) (aa 126-346) produced in HEK 293 cells fused at the N-terminus to a FLAG-tag.

#### Species

Human

#### Source

HEK293

#### ProteinLength

126-346 a.a.

#### Description

Human ANGPTL7 is produced as a secreted glycoprotein with a molecular mass of 45kDa in SDS-PAGE analysis. Human mRNA is expressed in neural tissues, keratoconus cornea, trabecular meshwork, melanotic melanoma and uterus endometrial cancer, while mouse Angptl7 mRNA is expressed in four-cell embryos, synovial fibroblasts, thymus, uterus and testis. ANGPTL7 reduces tumor growth and aberrant blood vessel formation by inducing massive fibrosis in a mouse xenograft model. It was reported that addition of ANGPTL7 results in a further increase in HSC activities. This suggests that ANGPTL7 may activate signal transduction pathways that cannot be activated by SCF, TPO, IGF-2 or FGF-1. Human ANGPTL7, characterized as potent target gene of WNT/ beta-catenin signalling pathway, is a pharmacogenomics target in the fields of oncology and regenerative medicine.

#### Purity

≥90% (SDS-PAGE).

#### Formulation

Liquid. 0.2µm-filtered solution in PBS.

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<b>Concentration</b>	~0.5mg/ml.
<b>Endotoxin Content</b>	<0.1EU/g protein (LAL-test).
<b>Long Term Storage</b>	-20°C.
<b>Use/Stability</b>	Working aliquots are stable for up to 3 months when stored at -20°C.
<b>Handling</b>	After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ANGPTL7</a> <a href="#">angiopoietin-like 7 [ Homo sapiens ]</a>
<b>Synonyms</b>	angiopoietin-like 7; AngX; CDT6; dJ647M16.1; RP4-647M16.2; ANGPTL7; angiopoietin-like protein 7; angiopoietin-related protein 7; angiopoietin-like factor (CDT6); cornea-derived transcript 6 protein;Angiopoietin-like factor; Cornea-derived transcript 6 protein
<b>Gene ID</b>	<a href="#">10218</a>
<b>mRNA Refseq</b>	<a href="#">NM_021146</a>
<b>Protein Refseq</b>	<a href="#">NP_066969</a>
<b>UniProt ID</b>	<a href="#">O43827</a>
<b>Chromosome Location</b>	1p36.3-p36.2
<b>Function</b>	receptor binding

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