

Recombinant Human Angiopoietin-like 7, FLAG-tagged

Cat. No. ANGPTL7-410H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ANGPTL7 (angiopoietin-like protein 7) (aa 1-346) produced in <i>HEK 293 cells</i> fused at the N-terminus to a FLAG-tag.
Species	Human
Source	HEK293
ProteinLength	1-346 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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Concentration	~0.5mg/ml.
Endotoxin Content	<0.1EU/g protein (LAL-test).
Long Term Storage	-20°C.
Use/Stability	Working aliquots are stable for up to 3 months when stored at -20°C.
Handling	After opening, prepare aliquots and store at -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	ANGPTL7 angiopoietin-like 7 [Homo sapiens]
Synonyms	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
Gene ID	10218
mRNA Refseq	NM_021146
Protein Refseq	NP_066969
UniProt ID	O43827
Chromosome Location	1p36.3-p36.2
Function	receptor binding

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