

## ANGPTL7/Angiotensin-converting enzyme 7 Protein, Human (HEK293, His)

<b>Cat. No.:</b>	HY-P7509
<b>Synonyms:</b>	rHuAngiotensin-related Protein 7, His; ANGPTL7; Angiotensin-related Protein 7
<b>Species:</b>	Human
<b>Source:</b>	HEK293
<b>Accession:</b>	O43827 (Q27-P346)
<b>Gene ID:</b>	10218
<b>Molecular Weight:</b>	35 kDa & (45-55) kDa

### PROPERTIES

#### AA Sequence

Q K L S K H K T P A	Q P Q L K A A N C C	E E V K E L K A Q V	A N L S S L L S E L
N K K Q E R D W V S	V V M Q V M E L E S	N S K R M E S R L T	D A E S K Y S E M N
N Q I D I M Q L Q A	A Q T V T Q T S A D	A I Y D C S S L Y Q	K N Y R I S G V Y K
L P P D D F L G S P	E L E V F C D M E T	S G G G W T I I Q R	R K S G L V S F Y R
D W K Q Y K Q G F G	S I R G D F W L G N	E H I H R L S R Q P	T R L R V E M E D W
E G N L R Y A E Y S	H F V L G N E L N S	Y R L F L G N Y T G	N V G N D A L Q Y H
N N T A F S T K D K	D N D N C L D K C A	Q L R K G G Y W Y N	C C T D S N L N G V
Y Y R L G E H N K H	L D G I T W Y G W H	G S T Y S L K R V E	M K I R P E D F K P
H H H H H H H H H H			

#### Appearance

Lyophilized powder.

#### Formulation

Lyophilized after extensive dialysis against PBS, pH 7.4.

#### Endotoxin Level

<1 EU/μg, determined by LAL method.

#### Reconstitution

It is not recommended to reconstitute to a concentration less than 100 μg/mL in ddH<sub>2</sub>O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).

#### Storage & Stability

Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.

#### Shipping

Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

#### Background

Human ANGPTL7/Angiotensin-related 7 Protein is the least explored member of the Angptl family. It was originally cloned from human corneal cells and named corneaderived transcript 6. Angiotensin-related Protein 7 can modify the expression of extracellular matrix proteins in human melanoma cells and trabecular meshwork cells, indicating that it functions as a

---

corneal morphogen and can regulate intraocular pressure.

---

## REFERENCES

---

[1]. Qian T, et al. Angiopoietin-Like Protein 7 Promotes an Inflammatory Phenotype in RAW264.7 Macrophages Through the P38 MAPK Signaling Pathway. *Inflammation*. 2016 Jun;39(3):974-85.

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA