

## Product datasheet for **TP727764**

### Angiotensin like 7 (ANGPTL7) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Angiotensin-related Protein 7/ANGPTL7 (C-10His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln27-Pro346
Tag:	C-His
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH 7.4.
Note:	Recombinant Human Angiotensin-related Protein 7 is produced by our Mammalian expression system and the target gene encoding Gln27-Pro346 is expressed with a 10His tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	10218
UniProt ID:	<a href="#">O43827</a>
Synonyms:	Angiotensin-related protein 7; Angiotensin-like factor; Angiotensin-like protein 7; Cornea-derived transcript 6 protein; ANGPTL7; CDT6
Summary:	Angiotensin-like 7 (ANGPTL7) is a secreted glycoprotein that is structurally related to the angiotensins. Members of this protein family contain an N-terminal coiled coil domain and a C-terminal fibrinogen-like domain. ANGPTL7 shares 89% aa sequence identity with mouse and rat ANGPTL7. It is secreted as a 45-50kDa monomer that forms disulfide-linked homotrimers and tetramers via the coiled coil domain. ANGPTL7 is expressed in the corneal stroma, trabecular meshwork, and sclera and is elevated in glaucoma aqueous humor. Its production is up-regulated in trabecular meshwork cells by glucocorticoids and TGF- $\beta$ 2 and in cartilage by TNF- $\alpha$ . Overexpression of ANGPTL7 in trabecular meshwork cells inhibits the production of collagen and proteoglycans. When overexpressed in tumor cells it promotes collagen and proteoglycan deposition but inhibits tumor xenograft progression and tumor angiogenesis.



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**Protein Families:** Druggable Genome, Secreted Protein, Transmembrane