

## 32-9004: Recombinant Human Angiopoietin-related Protein 7/ANGPTL7 (C-10His)

**Gene :** ANGPTL7

**Gene ID :** 10218

**Uniprot ID :** O43827

### Description

Source: Human Cells.

MW :38.4kD.

Recombinant Human Angiopoietin-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. Angiopoietin-like 7 (ANGPTL7) is a secreted glycoprotein that is structurally related to the angiopoietins. 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 and in cartilage by TNF-a. 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.

### Product Info

**Amount :** 10 µg / 50 µg

**Content :** Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4.

**Storage condition :** 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.

**Amino Acid :** QKLSKHKTPAQPQLKAANCCEEVKELKAQVANLSSLLSELNKKQERDWWVSVMQVMELESNSKRME SRLTDA  
ESKYSEMNNQIDIMQLQAAQTVTQTSADAIYDCSSLYQKNYRISGVYKLPDFFLGSPLELVFCDMETS GGGW  
TIIQRRKSGLVSFYRDWKQYKQFGSIRGDFWLGNEHIHRLSRQPTRLRVEMEDWEGNLRYA EYSHFVLGNEL  
NSYRLFNGYTGNVGNDALQYHNNTAFSTKDKDNDNCLDKCAQLRKGGYWYNCCTDSNLNGVYYRLGEHNK  
HLDGITWYGWHGSTYSLKRVEMKIRPEDFKPHHHHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.