

## Product datasheet for **RC200321**

### Angiopoietin like 7 (ANGPTL7) (NM\_021146) Human Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids   |
| Product Name:             | Angiopoietin like 7 (ANGPTL7) (NM_021146) Human Tagged ORF Clone  |
| Tag:                      | Myc-DDK   |
| Symbol:                   | Angiopoietin like 7   |
| Synonyms:                 | AngX; CDT6; dj647M16.1  |
| Mammalian Cell Selection: | Neomycin  |
| Vector:                   | pCMV6-Entry (PS100001)  |
| E. coli Selection:        | Kanamycin (25 ug/mL)  |
| ORF Nucleotide Sequence:  | >RC200321 ORF sequence<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGAAAAAGCCTCTCTCAGCTGTGACCTGGCTCTGCATTTTCATCGTGGCCTTTGTGAGCCACCCAG  
CGTGGCTGCAGAAGCTCTAAGCACAAGACACCAGCACAGCTCAAAGCGGCAACTGCTGTGA  
GGAGGTGAAGGAGCTCAAGGCCAAGTTGCCAACCTTAGCAGCCTGCTGAGTGAAGTGAACAAGAAGCAG  
GAGAGGGACTGGTTCAGCTGGTTCATGCAGGTGATGGAGCTGGAGAGCAACAGCAAGCGCATGGAGTCGC  
GGCTCACAGATGCTGAGAGCAAGTACTCCGAGATGAACAACCAAAATTGACATCATGCAGTGCAGGCAGC  
ACAGACGGTCACTCAGACCTCCGAGATGCCATCTACGACTGCTCTTCCCTCTACCAGAAGAACTACCGC  
ATCTCTGGAGTGTATAAGCTTCTCCTGATGACTTCTGGGCAGCCCTGAACTGGAGGTGTTCTGTGACA  
TGGAGACTTCAGGCGGAGGCTGGACCATCATCCAGAGACGAAAAAGTGGCCTTGTCTCCTTCTACCGGGA  
CTGGAAGCAGTACAAGCAGGGCTTTGGCAGCATCCGTGGGACTTCTGGCTGGGGAACGAACACATCCAC  
CGGCTCTCCAGACAGCCAACCCGGCTGCGTGTAGAGATGGAGGACTGGGAGGGCAACCTGCGCTACGCTG  
AGTATAGCCACTTTGTTTGGGCAATGAACTCAACAGCTATCGCCTTCTCCTGGGAACTACACTGGCAA  
TGTGGGAACGACGCCCTCCAGTATCATAACAACACAGCCTTTCAGCACCAGGACAAGGACAATGACAAC  
TGCTTGGACAAGTGTGCACAGCTCCGCAAGGTGGCTACTGGTACAAGTGCACAGACTCCAACCTCA  
ATGGAGTGTACTACCGCCTGGGTGAGCACAATAAGCACCTGGATGGCATCACCTGGTATGGCTGGCATGG  
ATCTACCTACTCCCTCAAACGGGTGGAGATGAAAATCCGCCCAGAAGACTTCAAGCCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

**RefSeq:** [NM\\_021146.4](#)

**RefSeq Size:** 2307 bp

**RefSeq ORF:** 1041 bp

**Locus ID:** 10218

**UniProt ID:** [O43827](#)

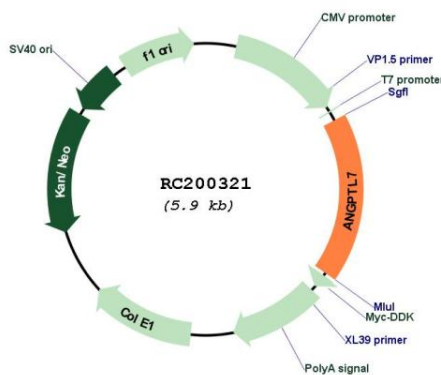
**Cytogenetics:** 1p36.22

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

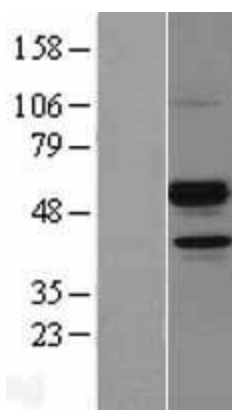
**MW:** 40 kDa

**Gene Summary:** Has a role in the formation and organization of the extracellular matrix. In the eye, it functions as a mediator of dexamethasone-induced matrix deposition in the trabecular meshwork, the tissue responsible for the outflow of the ocular aqueous humor and for the maintenance of intraocular pressure (PubMed:21199193). Is a negative regulator of angiogenesis in the cornea, and plays a major role in maintaining corneal avascularity and transparency (PubMed:25622036).[UniProtKB/Swiss-Prot Function]

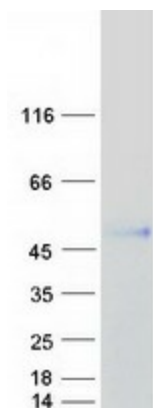
### Product images:



Circular map for RC200321



Western blot validation of overexpression lysate (Cat# [LY402846]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC200321 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ANGPTL7 protein (Cat# [TP300321]). The protein was produced from HEK293T cells transfected with ANGPTL7 cDNA clone (Cat# RC200321) using MegaTran 2.0 (Cat# [TT210002]).