

Product datasheet for **RG208671**

ANGPTL1 (NM_004673) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ANGPTL1
Synonyms:	ANG3; ANGPT3; AngY; ARPI; dJ595C2.2; UNQ162
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG208671 representing NM_004673
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAGACTTTTACCTGGACCCTAGGTGTGCTATTCTTCTACTAGTGGACACTGGACATTGCAGAGGTG
 GACAATTCAAAATTAATAAAATTAACCAGAGAAGATACCCTCGTGCCACAGATGGTAAAGAGGAAGCAAA
 GAAATGTGCATACACATTCCTGGTACCTGAACAAAGAATAACAGGGCCAATCTGTGTCAACCAAGGGG
 CAAGATGCAAGTACCATTAAAGACATGATCACCAGGATGGACCTTGAAACCTGAAGGATGTGCTCTCCA
 GGCAGAAGCGGGAGATAGATGTTCTGCAACTGGTGGTGGATGTAGATGGAACATTGTGAATGAGGTAAA
 GCTGCTGAGAAAAGGAAAGCCGTAAACATGAACTCTCGTGTACTCAACTCTATATGCAATTATTACATGAG
 ATTATCCGTAAGAGGGATAATTCACCTTGAACCTTCCCAACTGGAACCAAAATCCTCAATGTCACCACAG
 AAATGTTGAAGATGGCAACAAGATACAGGGAAGTACAGGTGAAATACGCTTCCTTGACTGATCTTGTCAA
 TAACCAATCTGTGATGATCACTTTGTTGGAAGAACAGTGCTTGAGGATATTTCCCGACAAGACACCCAT
 GTGTCTCCCCCACTTGTCCAGGTGGTGCCACAACATATTCCTAACAGCCAACAGTATACTCCTGGTCTGC
 TGGGAGGTAACGAGATTGAGAGGGATCCAGGTTATCCAGAGATTTAATGCCACCACCTGATCTGGCAAC
 TTCTCCCAACCAAGCCCTTCAAGATACCACCGGTAACCTTTCATCAATGAAGGACCATTCAAAGACTGT
 CAGCAAGCAAAAGAAGCTGGGCATTGCGTCAGTGGGATTTATGATTAACCTGAAACAGCAATGGAC
 CAATGCAGTTATGGTGTGAAACAGTTTGGACCTGGGGTTGGACTGTTATTGAGAAAAGAACAGACGG
 CTCTGTCAACTTCTCAGAAATTGGGAAATTATAAGAAAGGGTTTGGAAACATTGACGGAGAATACTGG
 CTTGGACTGGAATAATCTATATGCTTAGCAATCAAGATAATTACAAGTATTGATTGAATTAGAAGACT
 GGAGTGATAAAAAAGTCTATGCAGAATACAGCAGCTTTCGCTGGAACCTGAAAGTGAATTCATAGACT
 GCGCCTGGGAACCTACCAGGGAATGCAGGGGATTCTATGATGTGGCATAATGGTAAACAATTCACCACA
 CTGGACAGAGATAAAGATATGTATGCAGGAAACTGCGCCCACTTTCATAAAGGAGGCTGGTGGTACAATG
 CCTGTGCACATTCTAACCTAAATGGAGTATGGTACAGAGGAGGCCATTACAGAAGCAAGCACCAAGATGG
 AATTTCTGGGCCGAATACAGAGCGGGTCATACTCCTTAAGAGCAGTTGAGATGATGATCAAGCCTATT
 GAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208671 representing NM_004673
 Red=Cloning site Green=Tags(s)

MKTFTWTLGLVFFLLVDTGHCRRGGQFKIKKINQRRYPRATDGKEEAKKCAYTFLVPEQRITGPICVNTKG
 QDASTIKDMITRMDLENLKDVL SRQKREIDVLQLVVDVDGNI VNEVKLLRKESRNMNSRVTL YMQLLHE
 IIRKRDNSLELSQLENKILNVTTEMLKMATRYRELEVKYASLTDLVNNQSVMITLLEEQLRIFSRQDTH
 VSPPLVQVVPQHIPNSQYTPGLLGGNEIQRPDGPYPRDLMPPDLATSPKSPFKIPPVTF INEGPFKDC
 QQAKEAGHSVSGIYMIKPENSNGPMQLWCENSLDPGGWTVIQKRTDGSVNF FRNWNENYKKGFGNIDGEYW
 LGLENIYMLSNQDNYKLLIELEDWSDKKVYAEYSSFRLEPESEFYRLRLGT YQGNAGDSMMWHNGKQFTT
 LDRDKDMYAGNCAHFHKGGWYNACAHSNLNGVWYRGGHYRSKHQDGIFWAEYRGGSYSLRAVQMMIKPI
 D

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004673

ORF Size: 1473 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

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.

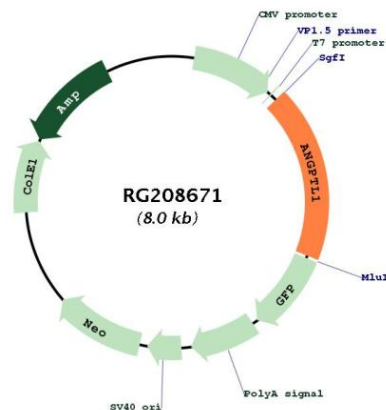
RefSeq: [NM_004673.4](#)

RefSeq Size: 3555 bp

RefSeq ORF:	1476 bp
Locus ID:	9068
UniProt ID:	O95841
Cytogenetics:	1q25.2
Domains:	FBG
Protein Families:	Druggable Genome, Secreted Protein

Gene Summary: Angiopoietins are members of the vascular endothelial growth factor family and the only known growth factors largely specific for vascular endothelium. Angiopoietin-1, angiopoietin-2, and angiopoietin-4 participate in the formation of blood vessels. The protein encoded by this gene is another member of the angiopoietin family that is widely expressed in adult tissues with mRNA levels highest in highly vascularized tissues. This protein was found to be a secretory protein that does not act as an endothelial cell mitogen in vitro. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG208671