

Product datasheet for **RC208478**

ANGPTL5 (NM_178127) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANGPTL5 (NM_178127) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ANGPTL5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC208478 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGTCTCCATCCCAAGCCTCACTCTTATTCTTAAATGTATGTATTTTTATTTGTGGAGAAGCTGTAC
AAGGTAACGTGTACATCATTCTACGGACTCTTCAGTAGTTAACATTGTAGAAGATGGATCTAATGCAAA
AGATGAAAGTAAAAGTAAATGATACTGTTTGAAGGAAGACTGTGAGGAATCATGTGATGTTAAAACTAAA
ATTACACGAGAAGAAAAACATTTTCATGTGTAGAAATTTGCAAAATCTATTGTTTCACACAAGAAGTA
CCAAAAAATACTAAGGAATATGATGGATGAGCAACAAGCTTCCCTGGATTATTTATCTAATCAGGTTAA
CGAGCTCATGAATAGAGTTCTCCTTTTGACTACAGAAGTTTTTAGAAAACAGCTGGATCCTTTTCCTCAC
AGACCTGTTTCAGTCACATGGTTTAGATTGCACTGATATTAAGGATACCATTGGCTCTGTCACCAAAACAC
CGAGTGGTTTATACATAATTCACCCAGAAGGATCTAGCTACCCATTTGAGGTAATGTGTGACATGGATTA
CAGAGGAGGTGGATGGACCGTGATACAGAAAAGAATTGATGGGATAATTGATTTCCAGAGGTTGGTGT
GATTATCTGGATGGATTTGGAGATCTTCTAGGAGAATTTGGCTAGGACTGAAAAAGATTTTTATATAG
TAAATCAGAAAAATACCAGTTTTATGCTGTATGTGGCTTTGGAATCTGAAGATGACACTCTTGCTTATGC
ATCATATGATAATTTTTGGCTAGAGGATGAAACGAGATTTTTTAAATGCACTTAGGACGGTATTCAGGA
AATGCTGGTGATGCATTCGGGGTCTCAAAAAGAAGATAATCAAATGCAATGCCTTTTAGCACATCAG
ATGTTGATAATGATGGGTGTCGCCCTGCATGCCTGGTCAATGGTCACTGTGAAGAGCTGCAGTCACT
CCATAACAAGACCGGCTGGTGGTTTAAACGAGTGTGGTCTAGCAAACTAAATGGCATTATCACTTCTCT
GGAAAAATTGCTTGCAACTGGAATTCATGGGGCACGTGGACCAAAAAACAACCTCACCTGTCAAGATTAAT
CTGTTTCAATGAAAATTAGAAGAATGTACAATCCATATTTTAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC208478 protein sequence
Red=Cloning site Green=Tags(s)

MMSPSQASLLFLNVCIFICGEAVQGNCVHHSTDSSVVNIVEDGSNAKDESKSNDTVCKEDCEEESCDVGTK
 ITREEKHFMCRNLQNSIVSYTRSTKLLRNMMDEQQASLDYLSNQVNELMNRVLLLTTEVFRKQLDPFPH
 RPVQSHGLDCTDIKDTIGSVTKTPSGLYIIHPEGSSYPFEVMCDMDYRGGGWTVIQKRIDGIIIDFQRLWC
 DYLDGFGDLLGEFWLGLKKIFYIVNQKNTSFMLYVALESEDDTLAYASYDNFWLEDETRFFKMHLGRYSG
 NAGDAFRGLKKEDNQAMPFSTSDVDNDGCRPACLVNGQSVKSCSHLHNKGTGWWFNECGLANLNGIHHFS
 GKLLATGIQWGTWTKNNSPVKIKSVSMKIRRMYPYFK

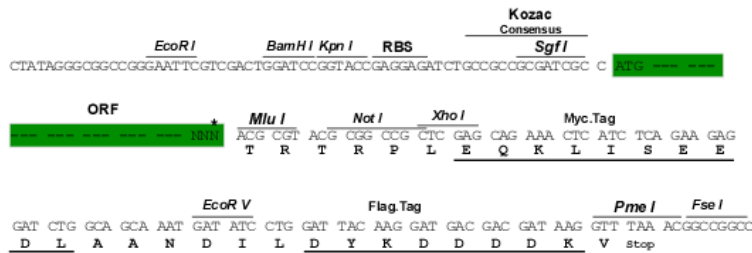
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6126_h06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_178127

ORF Size: 1164 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.

RefSeq: [NM_178127.3](#)

RefSeq Size: 2383 bp

RefSeq ORF: 1167 bp

Locus ID: 253935

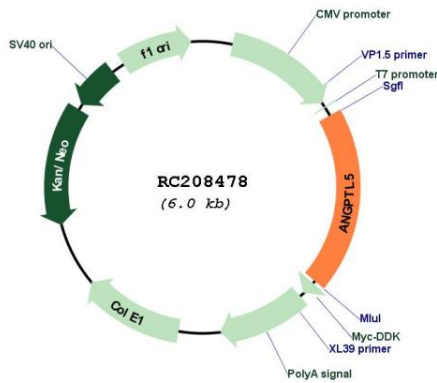
UniProt ID: [Q86XS5](#)

Cytogenetics: 11q22.1

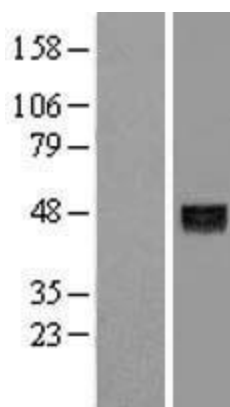
Protein Families: Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein

MW: 44.2 kDa

Product images:



Circular map for RC208478



Western blot validation of overexpression lysate (Cat# [LY403602]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC208478 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).