

Product datasheet for **RG208478**

ANGPTL5 (NM_178127) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANGPTL5 (NM_178127) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ANGPTL5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208478 representing NM_178127 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGTCTCCATCCCAAGCCTCACTCTTATTCTTAAATGTATGTATTTTTATTTGTGGAGAAGCTGTAC
AAGGTAACGTGTACATCATTCTACGGACTCTTCAGTAGTTAACATTGTAGAAGATGGATCTAATGCAAA
AGATGAAAGTAAAAGTAAATGATACTGTTTGAAGGAAGACTGTGAGGAATCATGTGATGTTAAAACTAAA
ATTACACGAGAAGAAAAACATTTTCATGTGTAGAAATTTGCAAAATCTATTGTTTCCTACACAAGAAGTA
CCAAAAAATACTAAGGAATATGATGGATGAGCAACAAGCTTCCTTGGATTATTTATCTAATCAGGTTAA
CGAGCTCATGAATAGAGTTCTCCTTTTGACTACAGAAGTTTTTAGAAAACAGCTGGATCCTTTTCCTCAC
AGACCTGTTCAAGTCACATGGTTTAGATTGCACTGATATTAAGGATACCATTGGCTCTGTCACCAAAACAC
CGAGTGGTTTATACATAATTCACCCAGAAGGATCTAGCTACCCATTTGAGGTAATGTGTGACATGGATTA
CAGAGGAGGTGGATGGACCGTATACAGAAAAGAATTGATGGGATAATTGATTTCCAGAGTTGTGGTGT
GATTATCTGGATGGATTTGGAGATCTTCTAGGAGAATTTGGCTAGGACTGAAAAAGATTTTTATATAG
TAAATCAGAAAAATACCAGTTTTATGCTGTATGTGGCTTTGGAATCTGAAGATGACACTCTTGCTTATGC
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AATGCTGGTGTGATTCGGGGTCTCAAAAAGAAGATAATCAAATGCAATGCCTTTTAGCACATCAG
ATGTTGATAATGATGGGTGTCGCCCTGCATGCCTGGTCAATGGTCACTGTGAAGAGCTGCAGTCACT
CCATAACAAGACCGCTGGTGGTTTAAACGAGTGTGGTCTAGCAAACTAAATGGCATTATCACTTCTCT
GGAAAAATTGCTTGCAACTGGAATTCATGGGGCACGTGGACCAAAAAACAACCTCACCTGTCAAGATTAAT
CTGTTTCAATGAAAATTAGAAGAATGTACAATCCATATTTTAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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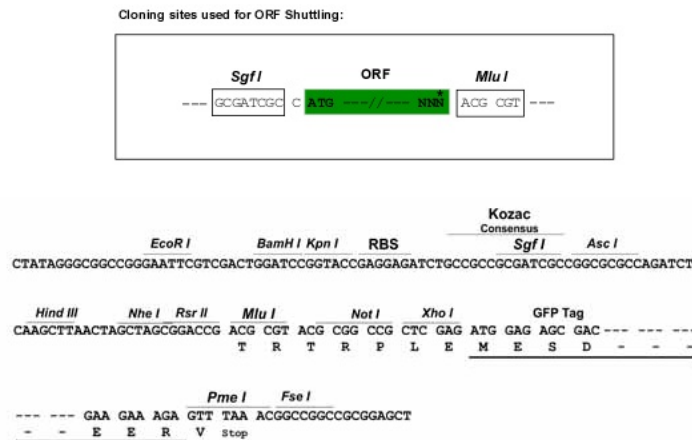
Protein Sequence: >RG208478 representing NM_178127
Red=Cloning site Green=Tags(s)

MMSPSQASLLFLNVCIFICGEAVQGNCVHHSTDSSVVNI VEDGSNAKDESKSNDTVCKEDCEEESCDVKTK
 ITREEKHFMCRNLQNSIVSYTRSTKLLRNMMDEQQASLDYLSNQVNELMNRVLLLTTEVFRKQLDPFPH
 RPVQSHGLDCTDIKDTIGSVTKTPSGLYIIHPEGSSYPFVEMCDMDYRGGGWTVIQKRIDGIDFQRLWC
 DYLDGFGDLLGEFWLGLKKIFYIVNQKNTSFMLYVALESEDDTLAYASYDNFWLEDETRFFKMHLGRYSG
 NAGDAFRGLKKEDNQAMPFSTSDVDNDGCRPAQLVNGQSVKSCSHLHNKTGWWFNECGLANLNGIHHFS
 GKLLATGIQWGTWTKNNSPVKIKSVSMKIRRMYPYFK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



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: 2386 bp

RefSeq ORF: 1167 bp

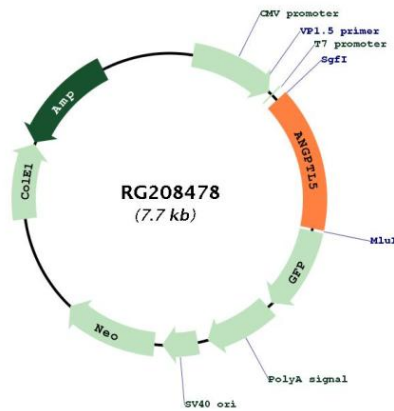
Locus ID: 253935

UniProt ID: [Q86XS5](#)

Cytogenetics: 11q22.1

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

Product images:



Circular map for RG208478