

Product datasheet for **SC320482**

Angiopoietin like 4 (ANGPTL4) (NM_139314) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Angiopoietin like 4 (ANGPTL4) (NM_139314) Human Untagged Clone
Tag:	Tag Free
Symbol:	Angiopoietin like 4
Synonyms:	ARP4; FIAF; HARP; HFARP; NL2; PGAR; pp1158; TGQTL; UNQ171
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_139314.1
 GACTGTGATCCGATTCTTTCCAGCGGCTTCTGCAACCAAGCGGGTCTTACCCCGGTCTCT
 CCGCGTCTCCAGTCTCGCACCTGGAACCCCAACGTCCCCGAGAGTCCCCGAATCCCCGC
 TCCCAGGTACCTAAGAGGATGAGCGGTGCTCCGACGGCCGGGGCAGCCCTGATGCTCTG
 CGCCGCCACCGCGTGTACTGAGCGCTCAGGGCGGACCCGTGCAGTCCAAGTCGCCGCG
 CTTTGCCTCTGGGACGAGATGAATGTCCTGGCGCACGGACTCCTGCAGCTCGGCCAGGG
 GCTGCGGAACACGCGGAGCGCACCCGAGTCAGCTGAGCGCGCTGGAGCGGCGCCTGAG
 CGCGTGCGGGTCCGCCTGTCAGGGAACCGAGGGTCCACCGACCTCCCGTTAGCCCTGA
 GAGCCGGGTGGACCCTGAGGTCCTTACAGCCTGCAGACACAACCTCAAGGCTCAGAACAG
 CAGGATCCAGCAACTCTTCCACAAGGTGGCCAGCAGCAGCGGCACCTGGAGAAGCAGCA
 CCTGCGAATTCAGCATCTGCAAAGCCAGTTTGGCTCCTGGACCACAAGCACCTAGACCA
 TGAGGTGGCCAAGCCTGCCCGAAGAAAGAGGCTGCCCGAGATGGCCAGCCAGTTGACCC
 GGCTCACAAATGTCAGCCGCTGCACCGGCTGCCAGGGATTGCCAGGAGCTGTTCCAGGT
 TGGGGAGAGGCAGAGTGGACTATTTGAAATCCAGCCTCAGGGGTCTCCGCCATTTTGGT
 GAACTGCAAGATGACCTCAGATGGAGGCTGGACAGTAATTCAGAGCGCCACGATGGCTC
 AGTGGACTTCAACCGGCCCTGGGAAGCCTACAAGCGGGGTTTGGGGATCCCCACGGCGA
 GTTCTGGCTGGGTCTGGAGAAGGTGCATAGCATACGGGGGACCGCAACGCCCGCTGGC
 CGTGCAGCTGCGGGACTGGGATGGCAACGCCGAGTTGCTGCAGTTCTCCGTGCACCTGGG
 TGGCGAGGACACGGCCTATAGCCTGCAGCTCACTGCACCCGTGGCCGGCCAGCTGGGCGC
 CACCACGTCCCACCCAGCGGCTCTCCGTACCCTTCTCCACTTGGGACCAGGATCACGA
 CCTCCGAGGGACAAGAAGTGCGCCAAGAGCCTCTCTGGAGGCTGGTGGTTTGGCACCTG
 CAGCCATTCCAACCTCAACGGCCAGTACTTCCGCTCCATCCCACAGCAGCGGCAGAAGCT
 TAAGAAGGGAATCTTCTGGAAGACTGGCGGGGGCCGCTACTACCCACTGCAGGCCACCAC
 CATGTTGATCCAGCCCATGGCAGCAGAGGCAGCCTCCTAGCGTCTGGCTGGGCGCTGGTC
 CCAGGCCACGAAAGACGGTGACTCTTGCTCTGCCCGAGGATGTGGCCGTTCCCTGCCT
 GGGCAGGGGCTCCAAGGAGGGGCCATCTGGAACTTGTGGACAGAGAAGAAGACCACGAC
 TGGAGAAGCCCCCTTCTGAGTGCAGGGGGGCTGCATGCGTTGCCTCCTGAGATCGAGGC
 TGCAGGATATGCTCAGACTCTAGAGGCGTGGACCAAGGGGCATGGAGCTTCACTCCTTGC
 TGGCCAGGGAGTTGGGGACTCAGAGGGACCACTGGGGCCAGCCAGACTGGCCTCAATGG
 CGGACTCAGTACATTGACTGACGGGGACCAGGGCTTGTGTGGGTCGAGAGCGCCCTCAT
 GGTGCTGGTGCTGTTGTGTGTAGGTCCCCTGGGGACACAAGCAGGCGCCAATGGTATCTG
 GGCGGAGCTCACAGAGTCTTGAATAAAAAGCAACCTCAGAAAAAAAAAAAAAAAAAAAAA

- Restriction Sites:** Please inquire
- ACCN:** NM_139314
- Insert Size:** 1221 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
- 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:	<ol style="list-style-type: none">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_139314.1 , NP_647475.1
RefSeq Size:	1967 bp
RefSeq ORF:	1221 bp
Locus ID:	51129
UniProt ID:	Q9BY76
Cytogenetics:	19p13.2
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	PPAR signaling pathway
Gene Summary:	<p>This gene encodes a glycosylated, secreted protein containing a C-terminal fibrinogen domain. The encoded protein is induced by peroxisome proliferation activators and functions as a serum hormone that regulates glucose homeostasis, lipid metabolism, and insulin sensitivity. This protein can also act as an apoptosis survival factor for vascular endothelial cells and can prevent metastasis by inhibiting vascular growth and tumor cell invasion. The C-terminal domain may be proteolytically-cleaved from the full-length secreted protein. Decreased expression of this gene has been associated with type 2 diabetes. Alternative splicing results in multiple transcript variants. This gene was previously referred to as ANGPTL2 but has been renamed ANGPTL4. [provided by RefSeq, Sep 2013]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).</p>