OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC228032

Angpt1 (NM_001286062) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Angpt1 (NM_001286062) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Angpt1
Synonyms:	1110046O21Rik; an; Ang; Ang-1; Ang1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

View online »

Fully Sequenced ORF:

>MC228032 representing NM_001286062
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGACAGTTTTCCTTTCCTTTGCATTCTTCGCTGCCATTCTGACTCACATAGGGTGCAGCAACCAGCGCC
GAAATCCAGAAAACGGAGGGAGAAGATATAACCGGATTCAACATGGGCAATGTGCCTACACTTTCATTCT
TCCAGAACACGACGGGAACTGCCGTGAGAGTGCGACAGAGCAGTACAACACCAACGCTCTGCAAAGGGAT
GCTCCACACGTGGAGCCGGATTTCTCTTCCCAGAAACTTCAGCATCTGGAGCATGTGATGGAAAATTATA
CTCAGTGGCTGCAAAAACTTGAGAATTACATTGTGGAAAATATGAAGTCGGAGATGGCCCAGATACAACA
GAATGCTGTTCAAAACCACACGGCCACCATGCTTGAGATAGGAACCAGTCTCTTATCTCAGACTGCAGAG
CAGACCCGAAAGCTGACAGATGTTGAGACCCAGGTACTAAATCAAACATCCCGACTTGAAATACAACTGC
TAGAGAATTCATTATCAACATACAAGCTAGAGAAGCAACTTCTCCAACAGACAAATGAAATTCTGAAGAT
TCACGAAAAAAACAGTTTACTAGAGCACAAAATCTTAGAAATGGAGGGAAAACACAAAGAAGAATTGGAC
ACCTTGAAGGAGGAGAAAGAAAACCTTCAAGGCTTGGTTTCTCGTCAGACATTCATCATCCAGGAGTTGG
AGAAGCAACTTAGTAGAGCTACCAACAACAACAGCATCCTGCAGAAGCAACAACTGGAGCTCATGGACAC
AGTTCATAACCTTATCAGCCTTTGCACTAAAGAAGTTTTGCTAAAGGGAGGAAAAAGAGAAGAAGAGAAA
CCATTTCGAGACTGTGCAGATGTATATCAAGCTGGTTTTAATAAAAGTGGAATCTACACTATTTATTTTA
ATAATATGCCAGAACCCAAAAAGGTATTTTGCAATATGGATGTGAATGGGGGAGGTTGGACAGTAATACA
ACACCGGGAAGATGGAAGCCTGGATTTCCAGAGGGGCTGGAAGGAGTATAAAATGGGTTTTGGGAATCCC
TCTGGTGAATATTGGCTTGGGAACGAGTTCATTTTTGCAATAACCAGTCAGAGGCAGTACATGCTGAGGA
TTGAGCTGATGGACTGGGAAGGGAACCGAGCCTACTCACAGTACGACAGATTCCACATAGGAAATGAAAA
GCAGAACTATAGGTTATATTTAAAAGGTCACACAGGGACAGCAGGCAAACAGAGCAGCTTGATCTTACAC
GGTGCCGATTTCAGCACGAAGGATGCTGATAACGACAACTGTATGTGCAAATGCGCTCTCATGCTAACAG
GAGGTTGGTGGTTCGATGCCTGTGGCCCTTCCAATCTAAATGGAATGTTCTACACTGCGGGACAAAATCA
TGGAAAACTGAATGGGATAAAGTGGCACTACTTCAAAGGGCCCAGTTACTCCTTACGTTCCACCACCATG
ATGATCCGGCCCTTGGACTTTTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001286062

Insert Size: 1494 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: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001286062.1, NP_001272991.1
RefSeq Size:	4313 bp
RefSeq ORF:	1494 bp
Locus ID:	11600
Cytogenetics:	15 16.69 cM
Gene Summary:	This gene encodes a secreted glycoprotein that belongs to the angiopoietin family of vascular growth factors. The encoded protein is a ligand in the vascular tyrosine kinase signaling pathway and regulates the formation and stabilization of blood vessels. This protein also functions in striated muscles by promoting proliferation, migration and differentiation of skeletal myoblasts and plays an essential role in the vascular response to tissue injury. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2013] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the coding region compared to variant 1. This encoded protein (isoform 2) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.