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 SC303396

CCN6 (NM_003880) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCN6 (NM_003880) Human Untagged Clone
Tag:	Tag Free
Symbol:	CCN6
Synonyms:	LIBC; PPAC; PPD; PPRD; WISP-3; WISP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303396 representing NM_003880. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGCAGGGGCTCCTCTTCTCCACTCTTCTGCTTGCTGGCCTGGCACAGTTCTGCTGCAGGGTACAGGGC ACTGGACCATTAGATACAACACCTGAAGGAAGGCCTGGAGAAGTGTCAGATGCACCTCAGCGTAAACAG TTTTGTCACTGGCCCTGCAAATGCCCTCAGCAGAAGCCCCGTTGCCCTCCTGGAGTGAGCCTGGTGAGA GATGGCTGTGGATGCTGTAAAATCTGTGCCAAGCAACCAGGGGAAATCTGCAATGAAGCTGACCTCTGT GACCCACACAAAGGGCTGTATTGTGACTACTCAGTAGACAGGCCTAGGTACGAGACTGGAGTGTGTGCA TACCTTGTAGCTGTTGGGTGCGAGTTCAACCAGGTACATTATCATAATGGCCAAGTGTTTCAGCCCAAC CCCTTGTTCAGCTGCCTCTGTGTGAGTGGGGCCATTGGATGCACACCTCTGTTCATACCAAAGCTGGCT GGCAGTCACTGCTCTGGAGCTAAAGGTGGAAAGAAGTCTGATCAGTCAAACTGTAGCCTGGAACCATTA CTACAGCAGCTTTCAACAAGCTACAAAACAATGCCAGCTTATAGAAATCTCCCACTTATTTGGAAAAAA AAATGTCTTGTGCAAGCAACAAAATGGACTCCCTGCTCCAGAACATGTGGGATGGGAATATCTAACAGG GTGACCAATGAAAACAGCAACTGTGAAATGAGAAAAGAGAAAAGACTGTGTTACATTCAGCCTTGCGAC AGCAATATATTAAAGACAATAAAGATTCCCAAAGGAAAAACATGCCAACCTACTTTCCAACTCTCCAAA GCTGAAAAATTTGTCTTTTCTGGATGCTCAAGTACTCAGAGTTACAAACCCACTTTTTGTGGAATATGC TTGGATAAGAGATGCTGTATCCCTAATAAGTCTAAAATGATTACTATTCAATTTGATTGCCCAAATGAG GGGTCATTTAAATGGAAGATGCTGTGGATTACATCTTGTGTGTGTCAGAGAAACTGCAGAGAACCTGGA GATATATTTTCTGAGCTCAAGATTCTGTAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_003880

View online »

Insert Size:	1065 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:	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_003880.3
RefSeq Size:	1252 bp
RefSeq ORF:	1065 bp
Locus ID:	8838
UniProt ID:	O95389
Cytogenetics:	6q21
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
MW:	39.3 kDa

Gene Summary: This gene encodes a member of the WNT1 inducible signaling pathway (WISP) protein subfamily, which belongs to the connective tissue growth factor (CTGF) family. WNT1 is a member of a family of cysteine-rich, glycosylated signaling proteins that mediate diverse developmental processes. The CTGF family members are characterized by four conserved cysteine-rich domains: insulin-like growth factor-binding domain, von Willebrand factor type C module, thrombospondin domain and C-terminal cystine knot-like domain. This gene is overexpressed in colon tumors. It may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. Mutations of this gene are associated with progressive pseudorheumatoid dysplasia, an autosomal recessive skeletal disorder, indicating that the gene is essential for normal postnatal skeletal growth and cartilage homeostasis. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) has an alternate splice pattern near the 5' end and uses a downstream start codon, compared to variant 3. The resulting isoform (1) has a shorter N-terminus, compared to isoform 3.