

Product datasheet for **RG218034**

CCN6 (NM_198239) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCN6 (NM_198239) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CCN6
Synonyms:	LIBC; PPAC; PPD; PPRD; WISP-3; WISP3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218034 representing NM_198239 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACAAGCGGCGACTTCTCTACCCCTCAGGGTGGCTCCACGGTCCCAGCGACATGCAGGGCTCCTCT
TCTCCACTCTTCTGCTTGGCTGGCCTGGCACAGTTCTGCTGCAGGGTACAGGGCACTGGACCATTAGATAC
AACACCTGAAGGAAGGCCTGGAGAAGTGTGAGTGCACCTCAGCGTAAACAGTTTGTCTACTGGCCCTGC
AAATGCCCTCAGCAGAAGCCCCGTTGCCCTCCTGGAGTGAGCCTGGTGGAGATGGCTGTGGATGCTGTA
AAATCTGTGCCAAGCAACCAGGGAAATCTGCAATGAAGCTGACCTCTGTGACCCACACAAGGGCTGTA
TTGTGACTACTCAGTAGACAGGCCTAGGTACGAGACTGGAGTGTGTGCATACCTTGTAGCTGTTGGGTGC
GAGTTCAACCAGGTACATTATCATAATGGCCAAGTGTTCAGCCCAACCCCTTGTTCAGCTGCCTCTGTG
TGAGTGGGGCCATTGGATGCACACCTCTGTTTCATACCAAAGCTGGCTGGCAGTCACTGCTCTGGAGCTAA
AGGTGGAAAGAAGTCTGATCAGTCAAAGTGTAGCCTGGAACCTACTACAGCAGCTTCAACAAGCTAC
AAAACAATGCCAGCTTATAGAAATCTCCCACTTATTTGGAAAAAAAATGTCTTGTGCAAGCAACAAAAT
GGACTCCCTGCTCCAGAACATGTGGGATGGGAATCTAACAGGGTGACCAATGAAAACAGCAACTGTGA
AATGAGAAAAGAGAAAAGACTGTGTTACATTACGCTTGGCAGCAATATATTAAGACAATAAAGATT
CCCAAAGGAAAACATGCCAACCTACTTCCAAGCTCCAAAGCTGAAAAATTTGCTTTTCTGGATGCT
CAAGTACTCAGAGTTACAACCCACTTTTTGTGGAATATGCTTGGATAAGAGATGCTGTATCCCTAATAA
GTCTAAAATGATTACTATTCAATTTGATTGCCAAATGAGGGGTCAATTAATGGAAGATGCTGTGGATT
ACATCTTGTGTGTGCAGAGAACTGCAGAGAACCTGGAGATATATTTTCTGAGCTCAAGATTCTG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG218034 representing NM_198239
 Red=Cloning site Green=Tags(s)

MNKRRLLYPSGWLHGPSDMQGLLFSTLLLAGLAQFCCRVTGTPLDTTPEGRPGEVSDAPQRKQFCHWPC
 KCPQQKPRCPGVSIVRDGCGCCKICAKQPGEICNEADLCDPHKGLYCDYSVDRPRYETGVCAYLVAVGC
 EFNQVHYHNGQVFQPNPLFSLCVSGAIGCTPLFIPKLAGSHCSGAKGGKSDQSNCSLEPLLQQLSTSY
 KTMPAYRNPLIWKKKCLVQATKWTPCSRTCGMGINSRVTNENSNCEMRKEKRLCYIQPCDSNILKTIKI
 PKGKTCQPTFQLSKAEKVFVSGCSSTQSYKPTFCGICLDRCCIPNKSMMITIQFDCPNEGFSFKWMLWI
 TSCVCQRNCREPGDIFSELKIL

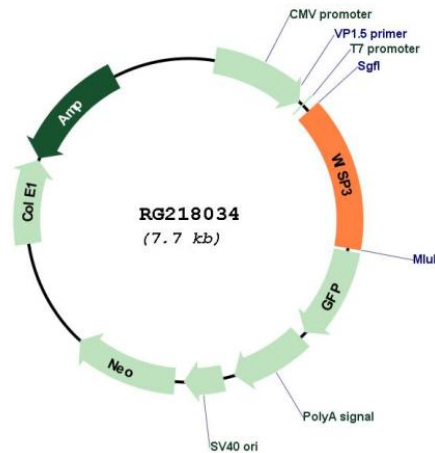
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_198239

ORF Size:	1116 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:	<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_198239.1 , NP_937882.1
RefSeq Size:	1332 bp
RefSeq ORF:	1065 bp
Locus ID:	8838
UniProt ID:	O95389
Cytogenetics:	6q21
Protein Families:	Druggable Genome, ES Cell Differentiation/IPS, Secreted Protein
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]