

Product datasheet for **RG233325**

CCN4 (NM_001204869) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: CCN4 (NM_001204869) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: CCN4
Synonyms: WISP1; WISP1-OT1; WISP1-UT1; WISP1c; WISP1j; WISP1tc
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG233325 representing NM_001204869
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGGTGGTTCCTGCCCTGGACGCTGGCAGCAGTGACAGCAGCAGCCGCCAGCACCGTCTGGCCACGG
 CCCTCTCTCCAGCCCCTACGACCATGGACTTTACCCAGCTCCACTGGAGGACACCTCCTCAGCCCCCA
 ATTCTGCAAGTGGCCATGTGAGTGCCCGCCATCCCACCCCGTCCCGCTGGGGTGCAGCCTCATCACA
 GATGGCTGTGAGTGTGTAAGATGTGCGCTCAGCAGCTTGGGGACAACCTGCACGGAGGCTGCCATCTGTG
 ACCCCACCGGGCCTCTACTGTGACTACAGCGGGACC GCCCGAGGTACGCAATAGGAGTGTGTGCACG
 CAGGGAAGAAGTGTCTGGCTGTGTACCAGCCAGAGGCATCCATGAACTTCACACTTGCGGCTGCATCAG
 CACACGCTCTATCAACCAAGTACTGTGGAGTTTGCATGGACAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG233325 representing NM_001204869
 Red=Cloning site Green=Tags(s)

MRWFLPWTLAAVTAAAATVLAALSPAPTTMDFTPAPLEDTSSRPQFCKWPCECPPSPRPLGVSLIT
 DGCECKMCAQQLGDNCTEAAICDPHRGLYCDYSRPRYAIGVCARREEVSGCVPARGIHELHTCGLHQ
 HTLLSTQVLWSLHGQ

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



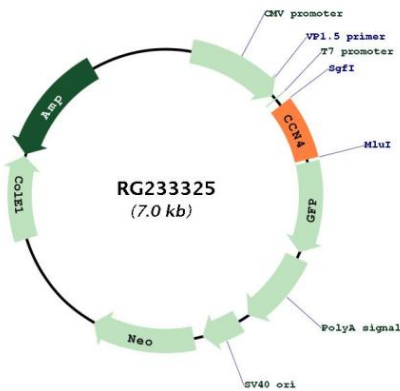
[View online »](#)

Cytogenetics: 8q24.22

Protein Families: Adult stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - DSL/Notch pathway, Stem cell relevant signaling - Wnt Signaling pathway

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 may be downstream in the WNT1 signaling pathway that is relevant to malignant transformation. It is expressed at a high level in fibroblast cells, and overexpressed in colon tumors. The encoded protein binds to decorin and biglycan, two members of a family of small leucine-rich proteoglycans present in the extracellular matrix of connective tissue, and possibly prevents the inhibitory activity of decorin and biglycan in tumor cell proliferation. It also attenuates p53-mediated apoptosis in response to DNA damage through activation of the Akt kinase. It is 83% identical to the mouse protein at the amino acid level. Multiple alternatively spliced transcript variants have been identified. [provided by RefSeq, Mar 2011]

Product images:



Circular map for RG233325