

Product datasheet for RC212208

CNN2 (NM_201277) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNN2 (NM_201277) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CNN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212208 representing NM_201277 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGAGCTCCACGCAGTTCAACAAGGGCCCTCGTACGGGCTGTCGGCCGAGGTCAAGAACCGGCTCCTGTCCAAATATGACCCCCAGAAGGAGGCAGAGCTCCGCACCTGGATCGAGGGACTCACCGCCTCTCCATCGGCCGACTCCAGAAGGGCCTGAAGGATGGAATATCTTATGCACACTCATGAACAAGCTACAGCCGGGCTCCGTCCCCAAGATCAACCGCTCCATGCAGAAGTGGCACCAGCTAGAAAACCTGTCCAACCTCATCAAGCCATGGTCAGCTACGGCATGAACCTGTGGACCTGTTTCGAGGCCAACGACCTGTTTGAGAGTGGGAACATGACGCAGGTGCAGGTGTCTTCTCGCCCTGGCGGGAAGATGGGCACCAACAAATGCGCCAGCCAGTCTGGCATGACTGCCTACGGCACGAGAAGGCATCTCTATGACCCCAAGAACCATATCCTGCCCCCATGGACCCTCGACCATCAGCCTCCAGATGGGCACGAACAAGTGTGCCAGCCAGGTGGGCATGACGGCTCCCGGGACCCGGCGGCACATCTATGATACCAAGCTGGGAACCGACAAGTGTGACAACCTCCTCCATGTCCCTGCAGATGGCTACACGCAGGGCGCCAACCAGAGCGGCCAGGTCTTCGGCCTGGGCCGGCAGATATATGACCCCAAGTACTGCCCGCAAGGCACAGTGGCCGATGGGGCTCCCTCGGCACCCGGCGACTGCCCGGACCCGGGGAGGTCCCTGAATATCCCCCTTACTACCAGGAGGAGGCCGGCTAC

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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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_201277.3](#)

RefSeq Size: 2361 bp

RefSeq ORF: 813 bp

Locus ID: 1265

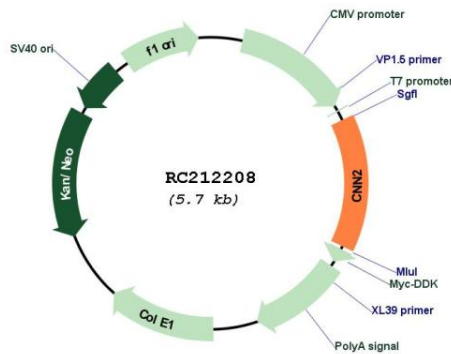
UniProt ID: [Q99439](#)

Cytogenetics: 19p13.3

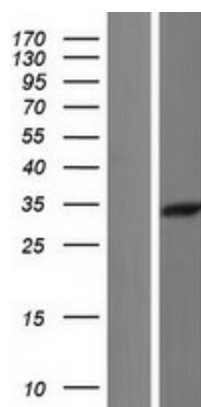
MW: 29.3 kDa

Gene Summary: The protein encoded by this gene, which can bind actin, calmodulin, troponin C, and tropomyosin, may function in the structural organization of actin filaments. The encoded protein could play a role in smooth muscle contraction and cell adhesion. Several pseudogenes of this gene have been identified, and are present on chromosomes 1, 2, 3, 6, 9, 11, 13, 15, 16, 21 and 22. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2015]

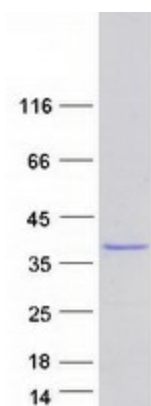
Product images:



Circular map for RC212208



Western blot validation of overexpression lysate (Cat# [LY404509]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC212208 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CNN2 protein (Cat# [TP312208]). The protein was produced from HEK293T cells transfected with CNN2 cDNA clone (Cat# RC212208) using MegaTran 2.0 (Cat# [TT210002]).