

Product datasheet for SC308007

CNN2 (NM_201277) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNN2 (NM_201277) Human Untagged Clone
Tag:	Tag Free
Symbol:	CNN2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC308007 representing NM_201277. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGAGCTCCACGCAGTTCAACAAGGGCCCTCGTACGGGCTGTCGGCCGAGGTCAAGAACCGGCTCCTG
 TCCAAATATGACCCCAAGAAGGAGGCAGAGCTCCGCACCTGGATCGAGGGACTCACCGGCTCTCCATC
 GGCCCCGACTTCCAGAAGGGCCTGAAGGATGGAATATCTTATGCACACTCATGAACAAGCTACAGCCG
 GGCTCCGTCCCAAGATCAACCGCTCCATGCAGAACTGGCACCAGCTAGAAAACCTGTCCAATTCATC
 AAGGCCATGGTCAGCTACGGCATGAACCCTGTGGACCTGTTTCGAGGCCAACGACCTGTTTGAGAGTGGG
 AACATGACGCAGGTGCAGGTGTCTTCTCGCCCTGGCGGGAAGATGGGCACCAACAAATGCGCCAGC
 CAGTCGGGCATGACTGCCTACGGCACGAGAAGGCATCTCTATGACCCCAAGAACCATATCCTGCCCCCC
 ATGGACCACTCGACCATCAGCCTCCAGATGGGCACGAACAAGTGTGCCAGCCAGGTGGGCATGACGGCT
 CCCGGGACCCGGCGGCACATCTATGATACCAAGCTGGGAACCGACAAGTGTGACAACTCCTCCATGTCC
 CTGCAGATGGGCTACACGCAGGGCGCCAACAGAGCGGCCAGGTCTTCGGCCTGGCCGGCAGATATAT
 GACCCCAAGTACTGCCCGCAAGGCACAGTGGCCGATGGGGCTCCCTCGGGCACCGGCAGCTGCCGGAC
 CCGGGGGAGGTCCCTGAATATCCCCCTTACTACCAGGAGGAGGCCGGCTACTGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_201277
Insert Size:	813 bp


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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:	<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:	<u>NM_201277.2</u>
RefSeq Size:	2391 bp
RefSeq ORF:	813 bp
Locus ID:	1265
UniProt ID:	<u>Q99439</u>
Cytogenetics:	19p13.3
MW:	29.5 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 4. The encoded isoform (b) is shorter than isoform d. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>