

Product datasheet for **SC337468**

delta 2 Catenin (CTNND2) (NM_001288717) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	delta 2 Catenin (CTNND2) (NM_001288717) Human Untagged Clone
Tag:	Tag Free
Symbol:	CTNND2
Synonyms:	GT24; NPRAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001288717, the custom clone sequence may differ by one or more nucleotides

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ATGAGGAGTCTCAGCCAGAGCCAGGGGACCCCTCTGCCGCCAGCACACCCGGCACCTACCGCACGAGCA
CAGCCCCATCTCCCTGGTGTGACTCCGTCCCCTTGACGCGCACAGGCAGCCAGCACGGCCACAGAA
TGCCGCCCGGGCCACCTCCAGAGGGCCAGCTATGCCGCCGGCCAGCCTCCAATTACGCGGACCCCTAC
CGACAGCTGCAGTATTGTCCCTCTGTTGAGTCTCCATACAGCAAATCCGGCCCTGCTCTCCGCCTGAAG
GCACCTTGCCAGGTCCCGTCCATTGATAGCATTAGAAAGATCCCAGAGAATTTGGATGGAGAGACCC
GGAAGTCCGGAAGTGATTGAGATGTTGCAGCACCAGTTCCCTCGTCCAGTCTAACGCGGCAGCCTAC
TTGCAACACCTCTGTTTTGGAGACAACAAAATTAAGCCGAGATAAGGAGACAAGGAGGCATCCAGCTCC
TGGTGGACCTGTTGGATCATCGGATGACCGAAGTCCACCGTAGTGCCTGTGGAGCTCTGAGAAACCTGGT
GTATGGGAAGGCCAACGATGATAACAAAATGCCCTGAAAACTGTGGTGGCATCCCAGCACTGGTGGG
TACTCCGCAAGCAGACTGACCTGGAGATCCGGGAGCTGGTACAGGAGTCCCTTGGAACTCTCCTCAT
GCGATGCACTCAAATGCCAATCATCCAGGATGCCCTAGCAGTACTGACCAACCGGTGATTATCCCCCA
CTCAGGCTGGGAAAATTCGCCTCTCAGGATGATCGGAAAATACAGCTGCATTATCACAGGTGCTGCGT
AACGCCACCGGTGCCTAAGGAATGTTAGTTCCGGCCGGAGAGGAGGCCCCGAGAAGGATGAGAGAGTGTG
ATGGGCTTACGGATGCCTTGCTGTACGTGATCCAGTCTGCGCTGGGGAGCAGTGAGATCGATAGCAAGAC
CGTTGAAAAGTGTGTGTCATTTAAGGAACCTCTCGTACCGGCTGGCGGCAGAAACGTCTCAGGGACAG
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GCAACAACACTGCAAGCAAGGCCATGTCGGATGACACAGTGACAGCTGTCTGCTGCACACTGCACGAAGT
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TTCAACCATCGAGAGGGACCGGCAAGGCCCTACTCCTCTCCCGCACGCCCTCCATCTCCCTGTGCGC
GTGTCTCCAACAACCGCTCAGCAAGTGCCCGAGCTTACCTCGGAAAATGATCAGCCTCAAAGAAAGGA
AAACAGACTACGAGTGCACCGGACGCAACGCCACCTACCAGGAGCTAAAGGCGAACACACTTCCAGGAA
AGATGCCATGACAGCTCAAAACACTGGAATTTCAACTTTGTATAGGAATTTATGGTGCGCCCGCTGAA
GACATCAAACACAACAGGTTTCAGCACAGCCAGTCCCACAGGAGCCAGCAGAAAAGATTACGAGACCT
ACCAGCCATTTCAGAATCCACAAGAAATTACGATGAGTCTTCTTCGAGGACCAGGTCCACCATCGCCC
TCCCGCCAGCGAGTACCCATGCACCTGGGTCTCAAGTCCACCGGCAACTACGTTGACTTCTACTCAGCT
GCCCGTCCCTACAGTGAAGTGAAGTATGAAACGAGCCACTACCCGGCCTCCCGGACTCCTGGGTGTA
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001288717

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).

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_001288717.1](#), [NP_001275646.1](#)

RefSeq Size: 4916 bp

RefSeq ORF: 2379 bp

Locus ID: 1501

UniProt ID: [Q9UQB3](#)

Cytogenetics: 5p15.2

Protein Families: Druggable Genome

Gene Summary: This gene encodes an adhesive junction associated protein of the armadillo/beta-catenin superfamily and is implicated in brain and eye development and cancer formation. The protein encoded by this gene promotes the disruption of E-cadherin based adherens junction to favor cell spreading upon stimulation by hepatocyte growth factor. This gene is overexpressed in prostate adenocarcinomas and is associated with decreased expression of tumor suppressor E-cadherin in this tissue. This gene resides in a region of the short arm of chromosome 5 that is deleted in Cri du Chat syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2013]
Transcript Variant: This variant (4) lacks an alternate internal exon and uses a downstream start codon, compared to variant 1. The resulting protein (isoform 4) is shorter and has a distinct N-terminus compared to isoform 1. 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.