

Product datasheet for **SC110863**

delta 2 Catenin (CTNND2) (NM_001332) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | delta 2 Catenin (CTNND2) (NM_001332) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | delta 2 Catenin |
| Synonyms: | GT24; NPRAP |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_001332, the custom clone sequence may differ by one or more nucleotides |

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ATGTTTGCAGGGAAGCCGCCGGCGCCGCGCCTTTGGGAGCTATGCCTGTTCCAGACCAGCCTTCATCAG
CCTCAGAGAAGACGAGTTCCTGAGCCCGGCTTAAACACCTCCAACGGGGATGGCTCTGAAACAGAAAC
CACCTCTGCCATCCTCGCCTCAGTCAAAGAACAGGAATTACAGTTTAAAAGGCTGACCCGAGAGCTGGAG
GCTGAACGGCAGATCGTAGCCAGCCAGCTGGAGCGATGCAAGCTCGGATCCGAGACTGGCAGCATGAGCA
GCATGAGTTCAGCAGAAGAGCAGTTTCAGTGGCAGTCACAAGATGGTCAAAAAGATATCGAAGATGAGCT
TACAACAGGTCTCGAGCTGGTGGACTCCTGTATTAGTCACTACAGGAATCAGGAATACTTGACCCACAG
GATTATTCTACAGGTGAAAGGCCAGCCTGCTCTCCAGAGTGCCTTCAGCTCAATCCAAACCTGAAG
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GCTCCCGGCCCGAGGCACACAAGCCCGAGCTACGGGCCAGAGCTTCAGCCAGGGCACGACCAGCCGCGCC
GGCCACCTGGCGGGGCCCCGAGCCCGCGCCGCGCCGCGCCGCGCCGCGGGAGCCGTTCCGCGCCAGCC
TGGGCAGCGCCTTCCACCTGCCCGACGCGCCGCGCCGCGCCGCGCCGCGCCGCGCTCTACTACTCCAGCTC
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CAGCGCGCGGCTCGGCCCCGAGGGGCCACCTACGCCGCGCCGCGCGGCTCCTCGCCCAAGCAGTCCG
CCAGCCGCTGGCCAAGTCTACAGCACCAGCTCGCCATCAACATCGTGTGTCTCGCCGCGCCTGTC
CCCGATCCGCGTGACCTCGCCCCCACCCTGCAGTCCACCATCTCTCTCGCCATCCACCAGCTGAGC
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GATCCCATCTATGAAGACCGGTCTATCAGAAGCCCCCTATGAGGAGTCTCAGCCAGAGCCAGGGGGACC
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CCCCTTGAGCGCACAGGCAGCCAGCACGGCCACAGAATGCCCGCGGGCCACCTTCCAGAGGGCCAGC
TATGCCCGGGCCAGCCTCAATTACGCGGACCCTACCGACAGCTGCAGTATTGTCCCTGTGTGAGT
CTCCATACAGCAAATCCGGCCCTGCTCTCCCGCTGAAGGCACCTTGCCAGGTCCCGTCCATTGATAG

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CATTTCAGAAAGATCCCAGAGAATTTGGATGGAGAGACCCGGAAGTCCCGGAAGTATTTCAGATGTTGCAG
 CACCAGTTTCCCTCGGTCCAGTCTAACGCGGCAGCCTACTTGAACACCTCTGTTTTGGAGACAACAAA
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 AAGTGGTCAAGGCTGCATCTCAGTCTCAACAGCATGTGGCAGTACCGAGATCTGAGGAGTCTCTACAA
 AAAGGATGGATGGTACAATAACACTTTGTAGCCTCGTCTTCAACCATCGAGAGGGACCGGCAAAGGCC
 TACTCTCTCCCGCACGCCCTCCATCTCCCCTGTGCGGTGTCTCCCAACAACCGCTCAGCAAGTGCC
 CAGCTTACCTCGGAAATGATCAGCCTCAAAGAAAGGAAAACAGACTACGAGTGCACCGCAGCAACGC
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 CAGTCCCACAGGAGCCCAGCAGAAAAGATTACGAGACCTACCAGCCATTTCAGAATTCACAAGAAATTA
 CGATGAGTCTTCTCGAGGACCAGTCCACCATCGCCCTCCCGCCAGCGAGTACACCATGCACCTGGGT
 CTCAAGTCCACCGCAACTACGTTGACTTCTACTCAGCTGCCCGTCCCTACAGTGAAGTGAAGTATGAAA
 CGAGCCACTACCGGCCCTCCCCGACTCCTGGGTGTA

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001332 unedited
 AGTATTTGTATACGACTTACTATAGGCGGCNCGCGATTCCGGCAGCAGGCTTGTCCCGCGG
 CCGCGCTCAGACAACAAAAGCGGAAGATGCTGCAGTTGGGCAAGGTCAAGACCTTGCCCT
 GAAGCCGGGCGGCGCCGCGCACGCCTTCCCGGACTGAGGAGCTGTCCCGGCGGAGGG
 TGCATGTTTGCAGGAAGCCGCGGCGCCGCGCTTTGGGAGCTATGCCTGTTCCAGAC
 CAGCCTTCATCAGCCTCAGAGAAGACGAGTTCCCTGAGCCCCGGCTTAAACACCTCCAAC
 GGGGATGGCTCTGAAACAGAAACCCTCTGCCATCCTCGCCTCAGTCAAAGAACAGGAA
 TTACAGTTTAAAAGGCTGACCCGAGAGCTGGAGGCTGAACGGCAGATCGTAGCCAGCCAG
 CTGGAGCGATGCAAGCTCGGATCCGAGACTGGCAGCATGAGCAGCATGAGTTCAGCAGAA
 GAGCAGTTTCAAGTGGCAGTACAAGATGGTCAAAAAGATATCGAAGATGAGCTTACAACA
 GGTCTCGAGCTGGTGGACTCCTGTATTAGGTCACTACAGGAATCAGGAATACTTGACCCA
 CAGGATTATTCTACAGGTGAAAGGCCAGCCTGCTCTCCAGAGTGCACCTCAGCTCAAT
 TCCAAACCTGAAGGCTTTTCCAGTATCCGGCCAGCTACCATAGCAACCAGACCTGGNC
 CCTGGGAAACCACCCCTTACAGCTCCCGGCCAGCAGCACACAAGCCCCGAGCTACGGG
 CCAGAGCTTACAGCCAGGGCAGCAGCCAGCCGCGCTGCCACTGGCGGNGCCCGAGCCGN
 GCGTCTGCGCGTCTGCGCGGGGAGCCGTTGCTCCANCTGGGAGNGNCCTTAC
 CTGTCCGAAGCGCCGCGTCCGCGNCGNCGGCTTTATACTCCAGTTTACGCTGC
 CCGGCCGCG

Restriction Sites:

NotI-NotI

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|-------------------------------|--|
| ACCN: | NM_001332 |
| Insert Size: | 4780 bp |
| 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: | <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_001332.2</u> , <u>NP_001323.1</u> |
| RefSeq Size: | 5440 bp |
| RefSeq ORF: | 3678 bp |
| Locus ID: | 1501 |
| UniProt ID: | <u>Q9UQB3</u> |
| Cytogenetics: | 5p15.2 |
| Domains: | Armadillo_seg |
| Protein Families: | Druggable Genome |
| Gene Summary: | <p>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]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest protein (isoform 1).</p> |