



DATA SHEET

■ General Information

Manufactured By: Sino Biological Inc.

Gene Bank Ref.ID: NM_001797.2

cDNA Size: 2391

Synonym: CDH11, OB, CAD11, CDHOB, OSF-4

Source: Human.

■ Description

cDNA Description: ORF Clone of Homo sapiens cadherin 11, type 2, OB-cadherin (osteoblast) DNA

Vector: [Vector pMD18-T Simple](#)

Sequence Description: Identical with the Gene Bank Ref. ID sequence except for the point mutation 825 G/A and 1117 T/G resulting in the amino acid MET substitution by ILE and ser substitution by ala.

■ Shipping

5-10µg Plasmid DNA is shipped on Whatman FTA elute card (Cat. No.: WB120410) at room temperature. It would take 7-14 days for delivery typically. For bulk orders, additional 1-2 weeks would be needed.

■ Usage Protocol

1. Remove the marked edge in the center of the spot.
2. Transfer the filter paper to a 1.5ml microfuge tube containing 150-200 µl of sterile H₂O . Ensure the filter paper is completely immersed in the H₂O by briefly centrifuging the tube for 10 seconds.
3. Transfer the tube to a heating block at 95°C for 15-30 min.
4. At the end of the incubation period remove the sample from the block and pulse vortex, or gently tap, the sample approximately 60 times.
5. Briefly centrifuge for 30 seconds, to separate the scattered filter paper from the elute. The elute now contains the purified DNA .

■ cDNA Sequence and Quality Control

Sequence:

GENTAURO

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1      ATGAAGGAGA ACTACTGTTT ACAAGCCGCC CTGGTGTGCC TGGGCATGCT GTGCCACAGC
61     CATGCCTTTG CCCAGAGCGG GCGGGGGCAC CTGCGGCCCT CCTTCCATGG GCACCATGAG
121    AAGGGCAAGG AGGGGCAGGT GCTACAGCGC TCCAAGCGTG GCTGGGTCTG GAACCAGTTC
181    TTCGTGATAG AGGAGTACAC CGGGCCTGAC CCCGTGCTTG TGGGCAGGCT TCATTAGAT
241    ATTGACTCTG GTGATGGGAA CATTAAATAC ATTCTCTCAG GGGAAAGGAG TGGAAACCATT
301    TTTGTGATTG ATGACAAATC AGGGAACATT CATGCCACCA AGACGTTGGA TCGAGAAGAG
361    AGAGCCCAGT ACACGTTGAT GGCTCAGGCG GTGGACAGGG ACACCAATCG GCCACTGGAG
421    CCACCGTCGG AATTCATTGT CAAGGTCCAG GACATTAATG ACAACCCTCC GGAGTTCCTG
481    CACGAGACCT ATCATGCCAA CGTGCCTGAG AGGTCCAATG TGGGAACGTC AGTAATCCAG
541    GTGACAGCTT CAGATGCAGA TGACCCCACT TATGGAAATA GCGCCAAGTT AGTGTACAGT
601    ATCCTCGAAG GACAACCCTA TTTTTCGGTG GAAGCACAGA CAGGTATCAT CAGAACAGCC
661    CTACCCAACA TGGACAGGGA GGCCAAGGAG GAGTACCACG TGGTATCCA GGCCAAGGAC
721    ATGGGTGGAC ATATGGGCGG ACTCTCAGGG ACAACCAAAG TGACGATCAC ACTGACCGAT
781    GTCATGACA ACCCAACAAA GTTCCGCGAG AGCGTATAAC AGATACTGTG GTCAGAAGCA
841    GCCGTCCTCG GGGAGGAAGT AGGAAGAGTG AAAGCTAAG ATCCAGACAT TGGAAAAAT
901    GGCTTAGTCA CATACAATAT TGTGATGGA GATGGTATGG AATCGTTTGA AATCACAACG
961    GACTATGAAA CACAGGAGGG GGTGATAAAG CTGAAAAAGC CTGTAGATTT TGAACCAAAA
1021   AGAGCCTATA GCTTGAAGGT AGAGGCAGCC AACGTGCACA TCGACCCGAA GTTTATCAGC
1081   AATGGCCCTT TCAAGGACAC TGTGACCGTC AAGATCGCAG TAGAAGATGC TGATGAGCCC
1141   CCTATGTTCT TGGCCCCAAG TTACATCCAC GAAGTCCAAG AAAATGCAGC TGCTGGCACC
1201   GTGGTTGGGA GAGTGCATGC CAAAGACCCT GATGCTGCCA ACAGCCCGAT AAGGTATTCC
1261   ATCGATCGTC AACTGACCT CGACAGATTT TTCACTATTA ATCCAGAGGA TGGTTTTATT
1321   AAAACTACAA AACCTCTGGA TAGAGAGGAA ACAGCCTGGC TCAACATCAC TGCTTTGCA
1381   GCAGAAATCC ACAATCGGCA TCAGGAAGCC AAAGTCCCAG TGGCCATTAG GGTCTTGAT
1441   GTC AACGATA ATGCTCCCAA GTTTGCTGCC CCTTATGAAG GTTTCATCTG TGAGAGTGAT
1501   CAGACCAAGC CACTTTCCAA CCAGCCAATT GTTACAATTA GTGCAGATGA CAAGGATGAC
1561   ACGGCCAATG GACCAAGATT TATCTTCAGC CTACCCCTCG AAATCATTCA CAATCCAAAT
1621   TTCACAGTCA GAGACAACCG AGATAACACA GCAGGCGTGT ACGCCCGGCG TGGAGGGTTC
1681   AGTCGGCAGA AGCAGGACTT GTACCTTCTG CCCATAGTGA TCAGCGATGG CGGCATCCCG
1741   CCCATAGTGA GCACCAACAC CCTCACCATC AAAGTCTGCG GGTGCGACGT GAACGGGGCA
1801   CTGCTCTCCT GCAACGCAGA GGCCTACATT CTGAACGCCG GCCTGAGCAC AGGCGCCCTG
1861   ATCGCCATCC TCGCCTGCAT CGTCATTCTC CTGGTCATTG TAGTATTGTT TGTGACCCTG
1921   AGAAGGCAAA AGAAAGAACC ACTCATTGTC TTTGAGGAAG AAGATGTCCG TGAGAACATC
1981   ATTACTTATG ATGATGAAGG GGGTGGGGAA GAAGACACAG AAGCCTTTGA TATTGCCACC
2041   CTCCAGAATC CTGATGGTAT CAATGGATTT ATCCCCGCA AAGACATCAA ACCTGAGTAT
2101   CAGTACATGC CTAGACCTGG GCTCCGGCCA GCGCCCAACA GCGTGGATGT CGATGACTTC
2161   ATCAACACGA GAATACAGGA GGCAGACAAT GACCCACGG CTCCTCCTTA TGA CTCCATT
2221   CAAATCTACG GTTATGAAGG CAGGGGCTCA GTGGCCGGGT CCCTGAGCTC CCTAGAGTCC
2281   GCCACCACAG ATTCAGACTT GACTATGAT TATCTACAGA ACTGGGGACC TCGTTTTAAG
2341   AACTAGCAG ATTTGTATGG TTCCAAGAC ACTTTTGTATG ACGATTCTTA A

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Quality Control: cDNA sequencing results is available upon request.

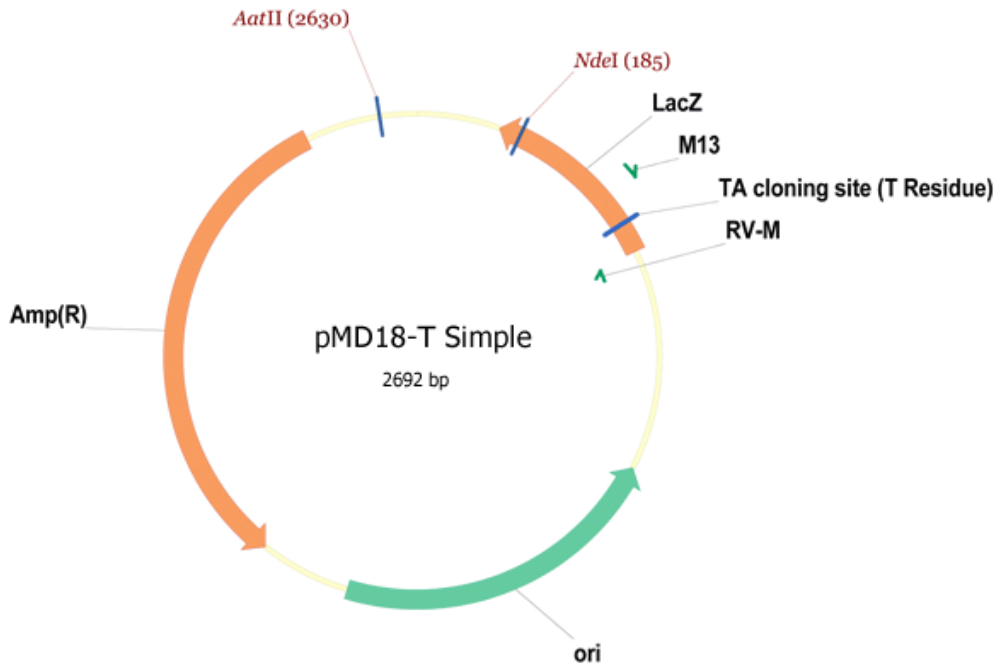


Vector pMD18-T Simple Information and Usage (Plasmid map only for reference) Suggestion

Vector Information: The pMD18-T Simple is 2.6kb in size. Selection of the plasmid in *E. coli* is conferred by the ampicillin resistance gene. The ori is the bacterial origin of replication. The coding sequence was inserted by TA cloning at site 425.

Usage Suggestion: The coding sequence can be amplified by PCR with M13 primers.

Physical Map of pMD18-T Simple:



Sequence:

GEN

1 TCGCGCGTTT CGGTGATGAC GGTGAAAACC TCTGACACAT GCAGCTCCCG GAGACGGTCA
61 CAGCTTGTCT GTAAGCGGAT GCCGGGAGCA GACAAGCCCG TCAGGGCGCG TCAGCGGGTG
121 TTGGCGGGTG TCGGGGCTGG CTTAACTATG CGGCATCAGA GCAGATTGTA CTGAGAGTGC
181 ACCATATGCG GTGTGAAATA CCGCACAGAT GCGTAAGGAG AAAATACCGC ATCAGGCGCC
241 ATTGCCAAT CAGGCTGCGC AACTGTTGGG AAGGGCGATC GGTGCGGGCC TCTTCGCTAT
301 TACGCCAGCT GGCGAAAGGG GGATGTGCTG CAAGGCGATT AAGTTGGGTA ACGCCAGGGT
361 TTTCCAGTC ACGACGTTGT AAAACGACGG CCAGTGCCAA AGAAGCATGA CGGCAAGTGG
421 ACGATATCTC CAGAGGATCG CCGGGAACCG AGGACGAGTT CGTAATCATG GTCATAGCTG
481 TTTCTGTGT GAAATTGTTA TCCGCTCACA ATCCACACA ACATACGAGC CGGAAGCATA
541 AAGTGATAAG CCTGGGGTGC CTAATGAGTG AGCTAACTCA CATTAAATTGC GTTGCGCTCA
601 CTGCCCGCTT TCCAGTCGGG AAACCTGTCTG TGCCAGCTGC ATTAATGAAT CGGCCAACGC
661 GCGGGGAGAG GCGGTTTTCG TATTGGGCGC TCTCCGCTT CCTCGCTCAC TGACTCGCTG
721 CGCTCGGTCT TTCGGCTGCG GCGAGCGGTA TCAGCTCACT CAAAGGCGGT AATACGGTTA
781 TCCACAGAAT CAGGGGATAA CGCAGAAAAG AACATGTGAG CAAAAGGCCA CCAAAGGCC
841 AGGAACCGTA AAAAGGCCGC GTTGTGGCG TTTTCCATA GGCTCCGCC CCCTGACGAG
901 CATCACAAA ATCGACGCTC AAGTCAGAGG TGGCGAAACC CGACAGGACT ATAAAGATAC
961 CAGGCGTTTC CCCCTGGAAG CTCCTCTGTG CGCTCTCTG TCCGACCCT GCCGCTTACC
1021 GGATACCTGT CCGCCTTCT CCCTTCGGGA AGCGTGGCG TTTCTCATAG CTCACGCTGT
1081 AGGTATCTCA GTTCGGTGTG GGTGTTTCG TCCAAGCTGG GCTGTGTGCA CGAACCCCC
1141 GTTCAGCCCG ACCGCTGCGC CTTAICCGGT AACTATCGTC TTGAGTCCAA CCCGGTAAGA
1201 CACGACTTAT CGCCACTGGC AGCAGCCACT GGTAACAGGA TTAGCAGAGC GAGGTATGTA
1261 GCGGGTGCTA CAGAGTTCTT GAAGTGGTG CCTAACTACG GCTACACTAG AAGAACAGTA
1321 TTTGGTATCT GCGCTCTGCT GAAGCCAGT ACCTTCGAA AAAGAGTTGG TAGCTCTTGA
1381 TCCGGCAAAC AAACCACCGC TGGTAGCGGT GTTTTTTTG TTTGCAAGCA GCAGATTACG
1441 CGCAGAAAAA AAGGATCTCA AGAAGATCCT TTGATCTTT CTACGGGGTC TGACGCTCAG
1501 TGGAACGAAA ACTCACGTTA AGGGATTTTG GTCATGAGAT TATCAAAAAG GATCTTCACC
1561 TAGATCCTTT TAAATTAATA ATGAAGTTT AAATCAATCT AAAGTATATA TGAGTAACT
1621 TGGTCTGACA GTTACCAATG CTTAATCAGT GAGGCACCTA TCTCAGCGAT CTGTCTATTT
1681 CGTTCATCCA TAGTTGCCTG ACTCCCCGTG GTGTAGATAA CTACGATACG GGAGGGCTTA
1741 CCATCTGGCC CCAGTGTGCT AATGATACCG CGAGACCCAC GCTCACCAGC TCCAGATTA
1801 TCAGCAATAA ACCAGCCAGC CGGAAGGGCC GAGCGCAGAA GTGGTCTGCT AACTTTATCC
1861 GCCTCCATCC AGTCTATTAA TTGTTGCCGG GAAGCTAGAG TAAGTAGTTC GCCAGTTAAT
1921 AGTTTGCACA ACGTTGTTGC CATTGCTACA GGCATCGTGG TGTACGCTC GTCGTTTGGT
1981 ATGGCTTCAT TCAGCTCCGG TTCCCAACGA TCAAGGCGAG TTACATGATC CCCCATGTTG
2041 TGCAAAAAG CGGTTAGCTC CTTCCGTCCT CCGATCGTTG TCAGAAGTAA GTTGGCCGCA
2101 GTGTTATCAC TCATGGTTAT GGCAGCACTG CATAATTCTC TTAGTGTGAT GCCATCCGTA
2161 AGATGCTTTT CTGTGACTGG TGAGTACTCA ACCAAGTCAT TCTGAGAATA GTGTATGCGG
2221 CGACCGAGTT GCTCTTGCCC GCGTCAATA CGGGATAATA CCGCGCCACA TAGCAGAACT
2281 TTAAGAGTGC TCATCATGG AAAACGTTCT TCGGGCGAA AACTCTCAAG GATCTTACCG
2341 CTGTTGAGAT CCAGTTCGAT GTAACCCACT CGTGCACCCA ACTGATCTTC AGCATCTTTT
2401 ACTTTCACCA GCGTTTCTGG GTGAGCAAAA ACAGGAAGGC AAAATGCCGC AAAAAAGGGA
2461 ATAAGGGCGA CACGGAAATG TTGAATACTC ATACTCTTCC TTTTCAATA TTATTGAAGC
2521 ATTTATCAGG GTTATTGTCT CATGAGCGGA TACATATTTG AATGTATTTA GAAAAATAAA
2581 CAAATAGGGG TTCCGCGCAC ATTTCCCGA AAAGTGCCAC CTGACGTCTA AGAAACCATT
2641 ATTATCATGA CATTAACTA TAAAAATAGG CGTATCACGA GGCCCTTTCG TC

