

Product datasheet for **SC315260**

PCDH7 (NM_032457) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PCDH7 (NM_032457) Human Untagged Clone
Tag: Tag Free
Symbol: PCDH7
Synonyms: BH-Pcdh; BHPCDH; PPP1R120
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_032457, the custom clone sequence may differ by one or more nucleotides

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ATGCTGAGGATGCGGACCGGGATGGGCGCGGCTGGTGTCTGGGCTGCTGCCTCCTC
CTGCCGCTCTCGCTCAGCCTGGCGGCGCCAAGCAGCTCCTCCGGTACCGGCTGGCCGAG
GAGGGCCCGCCGACGTCCGCATCGGCAACGTGGCTTCAGACCTGGGCATCGTGACCGGA
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ATGATCTTCGACGAGAACGAGTGTCTTCTGGACTTCGAGGTGTCGGTGTATCGGGCCCTCG
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GAGCTGTCTCAGGAGCCCGGAGGCGGCGGAGAGCCGGCGCGCCGGGGCG
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AGCGTCTGCACCGGATCGACCGGAGGAGGTGAACCAGCTGCGCTTACGGTATGACC
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TCCGACCGAGACCAAGGCGAGAACGGGTGGTCACTGCACCGTGGTGGGCGACGTGCC
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AACATCCCGGGCGAGAGGGTGGCCACGGTGTGGCGACAGACGACAGCGGTAAGAAC
GCCGAGATCGCCTACTCGCTGGACTCCTCTGTGATGGGGATCTTGGCCATCGATCCCGAT
TCTGGGACATCCTGGTCAATACCGTGTGGACCGGAGCAGACTGACAGGTATGAGTTT
AAAGTTAACGCCAAAGACAAGGCATCCCCGTGCTGCAGGGCAGCACTACGGTATTGTG

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CAGGTGGCTGATAAAAATGACAATGACCCTAAGTTTATGCAGGACGTCTTCACCTTTTAT
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AAGGGCGGGAATGCAGAGATGAGCCTGTACATAGAGGAGAAACAATAACATTTTTTCTATT
GAAAATGACACGGGGACCATTTACTCCACAATGTCTTTTGACCGGGAACATCAGACCACA
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AACACATTTGTGGGAGCAGGAGACAACATTTCAATTGGATCAGATCACTGCTCTGAGTAC
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GTGAGTCAGCCTCAGGACCCACATCAGGGGTCACTGCAGAGTTGCTATGACAGCGGGTG
GAGGAGTCAGAAACACCAAGCAGTAAGAGTTCATCAGGGCCAAGACTGGGTGCGCTTCCA
CTCCCAGAGGACAATATGAAAGGACCACGCCGATGGCAGTGTGATTCAAGGCCTCTT
CCAGATGTAGCCCTGACTGGGAAGTGCCTCGTGTGATGATGATGATGATGATGATGATGATG
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ACTTTCATGCCTGTTGATGAACGAGGAAGCCAGGAAAAGCTGGCCATGGGGAGGCCGCC
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TTCAGTGCAGCTAGTTTCAGCAAAAATGAGGAAGCCAACCCTGAGGATATCCCCCTTACA
AAAACAGGGGAATATAAGCCATCTCCTGTCAATACTCTCACTAGAAGAGAAGTTTACCTG

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- Restriction Sites:** Please inquire
- ACCN:** NM_032457
- 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:

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_032457.1](#), [NP_115833.1](#)

RefSeq Size: 4893 bp

RefSeq ORF: 3603 bp

Locus ID: 5099

Cytogenetics: 4p15.1

Domains: CA

Protein Families: Druggable Genome, Transmembrane

Gene Summary: This gene belongs to the protocadherin gene family, a subfamily of the cadherin superfamily. The gene encodes a protein with an extracellular domain containing 7 cadherin repeats. The gene product is an integral membrane protein that is thought to function in cell-cell recognition and adhesion. Alternative splicing yields isoforms with unique cytoplasmic tails. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (c) uses an alternate in-frame splice site in the 3' coding region, compared to variant d. The resulting isoform (c) lacks an internal segment near the C-terminus, compared to isoform d. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.