

Product datasheet for RC212012

PCDH7 (NM_032456) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PCDH7 (NM_032456) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: PCDH7
Synonyms: BH-Pcdh; BHPCDH; PPP1R120
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC212012 representing NM_032456
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGATCGCC

ATGCTGAGGATGCGGACCGGGATGGGCGCGGGCTGGTGCTTGGGCTGCTGCCTCCTCCTGCCGCTCT
CGCTCAGCCTGGCGCCCAAGCAGCTCCTCCGGTACCGGCTGGCCGAGGAGGGCCCCGCCGACGTCGG
CATCGGCAACGTGGCTTCAGACCTGGGCATCGTGACCGGATCGGGTGAGGTGACTTTCAGCCTGGAGTCC
GGTCCGAGTACCTGAAGATCGACAACCTCACTGGCGAGCTGAGCACGAGCGAGCGGCGCATCGACCGCG
AGAAGCTGCCCAAGTGTAGATGATCTTCGACGAGAACGAGTGCTTCTGGACTTCGAGGTGTGGTGAT
CGGGCCCTCGCAGAGCTGGGTGGACCTGTTGAGGGTCAGGTCATCGTGCTTGACATCAACGACAACACG
CCCACCTTCCCCTCGCCCGTGTCTCACGCTCACGGTGGAGGAGAATCGGCCGGTGGGCACACTTTACCTGC
TGCCACAGCCACCGACCGGACTTCGGCCGCAACGGCATCGAGCGCTACGAGCTGCTCCAGGAGCCCGG
AGGCGGCGGACGCGGCGGAGAGCCGGCGCGCCGGGGCGGCGGACAGCGCCCCATCCCGGGGGCGGC
GGGAACGGCGGAGCGGCGGCGGCTCGGGAGGCTCCAAGCGCGGCTGGACGCATCAGAGGGCGGCGGC
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GCCGACGCTGATCGTGAAGGGGGCGCTGGACCGGAGCAGCGCGACTCCTACGAGCTGACCTGCGAGTG
CGCGACGGCGGCGACCCGCTCGCTCCTCGCAGGCCATCCTACGGTCTCATACCGACGTGAACGACA
ACAGCCCCGCTTCGAGAAGAGCGGTGTACGAGGCCGACTTGGCTGAGAACAGCGCCCCGGGACCCCAT
CCTGCAACTGCGCGCAGCCGACTTGGACGTGGGGTCAACGGGCAGATCGAATACGTGTTCCGGGCGGCC
ACCGAGTCGGTGAGGCGGCTGCTGCGCTTACGAGACGTCGGGTGGCTCAGCGTCTGCACCGGATCG
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CAAGGCCACCGTGGTCTTAACATCAAAGACGAGAACGACAACGTGCCGTCATTGAAATCCGCAAGATT
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ACCCCTCTGGACTATGAGGCCACCCGGGAGTTCAACGTGGTCATCGTGGCGGTGGACTCAGGCAGCCCCA



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GCCTCTCGAGCAACAACCTCCCTGATTGTCAAGGTGGGAGACACCAACGACAACCCGCCCATGTTCCGCCA
 GTCGGTGGTGGAGGTTTACTTCCCTGAGAACAACATCCCAGGCGAGAGGGTGGCCACGGTCTGGCGACA
 GACGCAGACAGCGGTAAGAACGCCGAGATCGCCTACTCGTGGACTCCTCTGTGATGGGGATCTTTGCCA
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 TAAGCAAATGGACAGAGGTATGATAGTGTCAATGAGAAGCTGTGAGACAGCCCAAGCATGGGGCGATAC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC212012 representing NM_032456

Red=Cloning site Green=Tags(s)

MLRMRTAGWARGWCLGCLLLPLSLSLAAAKQLLRYLAEERPADVRIGNVASDLGIVTGSGEVTFSL
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 PTFPSPVLTVEENRPVGTLYLLPTADRDFGRNGIERYELLQEPGGGSGGESRRAGAADSAPYPGGG
 GNGASGGGSGSKRRLDASEGGGTNPGRSSVFELQVADTPDGEKQPQLIVKALDREQRDSYELTLRV
 RDGGDPPRSSQAILRVLITDVNDNSPRFEKSVYEADLAENSAPGTPILQLRAADLDVGVNGQIEYVFGAA
 TESVRRLLRLDETSGLSVLHRIDREEVNQLRFTVMARDRGQPPKTDKATVVLNIKDENDNVPSIEIRKI
 GRIPLKDGVANVAEDVLVDTPIALVQVSDRDQGENGVVCTTVVGDVFPQLKPASDTEGDQNKKKYFLHTS
 TPLDYEATREFNVVIVAVDSGSPSLSSNNSLIVKVGDTNDNPPMFGQSVVEVYFPENNIPGERVATVLT
 DADSGKNAEIAYSLDSSVMGIFAIDPDSGDILVNTVLDREQTDREYEFKVNADKGIPLVQGSTTVIVQVA
 DKNDNDPKFMQDVFTFYVKENLQPNSPVMVTVMDADKGRNAEMSLYIEENNNIFSIENDTGTIYSTMSF
 DREHQTTYTRFKAVDGGDPPRSATATVSLFVMDENDNAPTTLVTLVTLVTLVTLVTLVTLVTLVTLVTLV
 SDDGINADLNYSIVGGNPFKLFIDPTSGVVS LVGKL TQKHVGLHRLVVQVNDSGQPSQSTTTLVHVFVN
 ESVSNATAIDSQIARSLHIPLTQDIAGDPSYEISKQRLSIVIGVAGIMTVILIIILIVVMARYCRSKNKN
 GYEAGKDHEDFFTPQQHDKSKPKKDKKKNKSKQPLYSIVTVEASKPNGQRYDSVNEKLSDSPSMGRY
 RSVNGGPGSPDLARHYKSSSPLPTVQLHPQSPTAGKKHQAVQDLPPANTFVGAGDNI SIGSDHCSEYSCQ
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

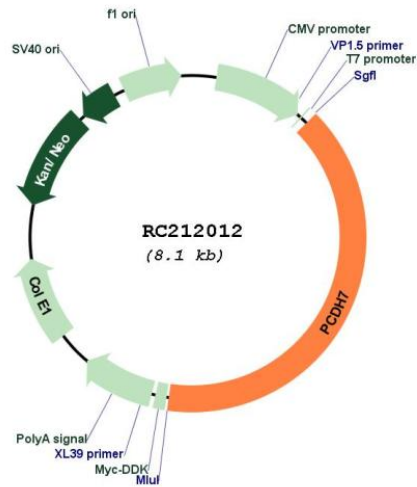
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_032456

ORF Size: 3216 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_032456.3</u>
RefSeq Size:	4928 bp
RefSeq ORF:	3219 bp
Locus ID:	5099
UniProt ID:	<u>O60245</u>
Cytogenetics:	4p15.1
Domains:	CA
Protein Families:	Druggable Genome, Transmembrane
MW:	116.4 kDa
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]