

Product datasheet for **RR203410**

Pcdh7 (NM_001004087) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Pcdh7 (NM_001004087) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Pcdh7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203410 representing NM_001004087
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGCTGAGGATGCGGACCACGGGATGGGCGCGCGGCTGGTGTGGGCTGTTGTCTCCTTCTGCCGCTCT
GCTTCAGCCTGGCTGCCCAAGCAGCTGCTCCGGTACCGGCTGGCTGAGGAGGGCCCCGCCGACGTGCG
GATCGGCAATGTGGCCTCGGACCTGGGCATCGTGACCGTTCTGGTGAGGTGACTTTCAGCCTTGAGTCT
GGCTCTGAGTATCTGAAGATTGACAACCTACCGGCGAGCTGAGCACCAGCGAGCGGCATCGACCGAG
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AGGGCCCTCGCAGAGCTGGTGGACCTGTTGAGGGTGGGTCATCGTGCTGGACATCAACGATAACACG
CCCACCTTCCCGTCGCCGGTGTCTACGCTCACGGTGGAGGAGAACCACCTGTAGGCACGCTCTACCTGC
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ACCGCGAGGAAGTGAATCAGTTGAGATTCACAGTAATGGCCCGTGACCGGGGACGCCCCCAAGACCGA
TAAGGCCACCGTGGTCTCAATATCAAAGATGAGAACGACAACGTTCCCTCCATCGAAATCCGCAAGATA
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GACGCTGACAGCGGGAAGAATGCAGAGATAGCCTACTCGCTGGACTCTTCAGTGATGGGGACCTTTGCCA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203410 representing NM_001004087
 Red=Cloning site Green=Tags(s)

MLRMRTTGWARGWCLGCCLLLPLCFSLAAAKQLLRYRLAEEGPADVIRIGNVASDLGIVTGSGEVTFSL
 GSEYLIKIDNLTGELSTERRIDREKLPQCQMIFDENECFLDFEVSIVIGPSQSWDLFEGRVIVLDINDNT
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 GNSGSGGGSGGSKRRRLDAPEGGGGTGPSSRVFELQVADTPDGEKQPQLIVKGDALDREQRDSYELTLRV
 RDGGDPPRSSQAILRVLITDVNDNSPRFEKSVYEADLAENSAPGTPILQLRATDLVDGVNGQIEYVFGAA
 TESVRRLLRLDETSGLSVLHRIDREEVNLRFVTVMARDRGQPPKTDKATVVLNIKDENDNVPSIEIRKI
 GRIPLKDGVANVAEDVLDVTPIALVQVSDRDQGENGVVCTVVGDVVPFQLKPPASDTEGDQNKKYFLHTS
 APLDYETTREFNVVIVAVDSGSPSLSSNNL VVKVGDNDNPPVFGQSVVEVYFPENNIPGERVATVLAT
 DADSGKNAEIAVSLDSSVMGTFAIDPDSGDILVNTVLDREQTDREYEFKVNADKGIPLVQGGSTTVIVQVA
 DKNDNDPKFMQDVFTFYVKENLQPNSPVGMVTVMADKGRNAEMSLYIEENSNIISIENDGTIYSTMSF
 DREHQTTYFRVKAVDGGDPPRSATATVSLFVMDENDNAPT VTLPRNISYTLPPSSNVRTVVATVLATD
 SDDGINADLNYSIVGGNPFKLEIDSTSGVVS LVGKLTQKHYGLHRLVVQVNDSGQPSQSTTTLVHVFN
 ESVSNATVIDSQIVRSLHTPLTQDIAGDPSYEISKQRLSIVIGVAGIMTVILILIVMMARYCRSKSKN
 GYEAGKKDHEDFFTPQQHDKSKPKKDKKKNKSKQPLYSSIVTVEASKPNQRYDSVNEKLSDSPSMGRY
 RSVNNGPGSPDLARHYKSSSPLPTVQLHPQSPTAGKKHQAVQDLPPANTFVGAGDNI SIGSDHCSEYSCQ
 TSNKYKQPFRRVTF SVVQPDPHQGLSQSCYDSGLEESETPSSKSSSGPRLGALPLPEDNYERTTPDG
 SVDSRPLPDVALTGKCTRECDEYGHSDSCWMPVRTSPERKKSQPKLSTFMPVDERGSQEKLANGEAAIMG
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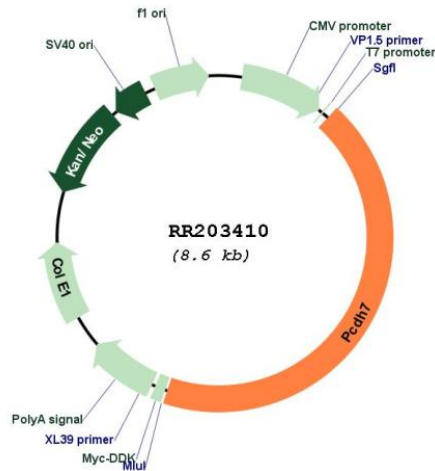
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001004087

ORF Size: 3741 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:

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_001004087.1](#), [NP_001004087.1](#)

RefSeq Size: 3755 bp

RefSeq ORF: 3744 bp

Locus ID: 360942

Cytogenetics: 14q11

MW: 135.8 kDa