

Product datasheet for **MR215029**

Pcdhb12 (NM_053137) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Pcdhb12
Synonyms:	Pcdh3; Pcdhb5F; PcdhbL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR215029 representing NM_053137
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCCAGGGCAAAGGCAAGTCTTTTTCTTACTATATTGTTGCTGTTTTGGAAGTCTGACTCTGAGGCAA
TTAGATATTCCATGCCAGAAGAAAAGGAGAGTGGCTATTTGGTGGCAACGTGGCAAAAGATCTGGGGCT
CAGGGTTGAAGAACTGGCCACTAGAGGAGCTCAAATCCATTACAGAGGAAACAAAGAGCTCTTGACAGATG
GATGACAGAGCTGGGAATTTGTTCTTAAAGGAAAACTAGACCGGGAGGCACTGTGTGGGGCAGACAAC
CCTGTGTGCTGCACTTCCAGATCATACTGGAAAAACCTGTGCAGTTCTTCCAACTGAACTGCAGCTCAC
TGATATAAACGACCACCTCTCCGGAGTTCTCTGACACGGAAATGCTTCTAACAATTCTGAGAACGCCCAG
CCAGGGACTGTGTTTCTCTGAAGGCAGCTCATGACTCTGACATAGGGAGCAATGCCGTTCAAGAACTACA
CAGTCAATCCCAACATCCATTTCCATGTGGTTACTCTCAGTCGCTCAGATGGCAGGAAATACCCAGAGCT
GGTGTGGACAGAGCCCTGGACAGGGAGGAGCAGCCTGAGCTCACTTTAACCCCTCACTGCTCTTGATGGC
GGATCCCCACCCAGGTCAGGAACACCGAAGTTCACATTGAAGTCGTGGACATCAATGATAACGCCCCCC
AGTTTATACAGTCACTCTATGAGGTGCAAGTTCCTGAGAACAGTCCCTCAATGCCTTAGTTGTCTAGGT
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TCTCAACCATTTGTAATAGACAAAATCACAGGAGAAATCCGTCTGACCAAGAGCTAGATTTTCGAGGTAA
GTCACCATTAACCATAGAAATTGCAGCCACCGATGGAGGGGCCCTTTCAGGAAAATGCATGTGGTTAT
ACAGGTGTTGGATGTGAATGACAACGCCCCAGAGTTGGCGATCAGGAAGCTCACAGTCCCTGTCCAGAA
AATTCGCCGAGACTGTAGTTGCTGTTTTAGTGTCTGATTCTGATTGCGGGGACAACGGAAGGATAG
TGTGTTCTATTGAGAACATATCCCATTTCTCTGAAACCCACATTTGAGAATTACTACACCTTAGTGAC
CGAGGGGCCACTTGATAGAGAGAGCAGAGCTGAGTACAACATCACCATCACTGTCTGGGATTTGGGCACA
CCCAGGCTCACAACCCAGCACACCATAACAGTGCAGGTGGCCGACATCAACGACAACGCCCTGCCTTCA
CCCAACATCCTATACCTGTTTGTGCAAGAGAACAACAGTCCCGCCCTGCATATAGGCACCATCAGTGC
CACAGACTCAGATTCAGGCTCCAACGCCACATCACCTACTCGTGTGCCGCCACGATTCACAGCTG
GCCCTCGCTCGTAGTCTCCATCAATTGACACAATGGGCAGCTGTTGCGCTCAGGGCGATGGACTATG
AGATGCTTCAGGCCTTCGAACTGCACGTGGACGCCACAGATGGAGGCTCACCTGCGCTCAGCAGCCAGGC
CCTCGTGTGTTGTTAGTGTAGATGACAATGACAATCACCTTTGCTGCTCTACCCGATGCAGAATGCC
TCAGCACCTGTACGGAGCTATTGCCAGGGCAGCAGGCTGGATACCTGATCACCAAAGTGGTGGCTG
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TGGTGGATGGCTTCTCGCAGCCTTACCTGCCTCTGCCAGAGGTGGCGGGGATTCCACGCAGGACGATTA
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GACACTTCTAGCCACCTGGTGGATGTCACTAGAGCAGGGACCCTGTCCAGAGCTATCAATATGAGGT
GTGTCTTAATGGAGGTACTGGAACAAACGAGTTCAATTTCTTAAACCATTGTTTCTATTCTTCCGACC
CAGGCTGCTGCTGAAGAAAGAGAAAATGCTGTTGTGCGCAATAGCGTTGAATTCTAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR215029 representing NM_053137

Red=Cloning site Green=Tags(s)

MPGQRQVFFLTILLFWKSDSEAIRYSMPEEKESGYLVANVAKDLGLRVEELATRGAQIHYRGNKELLQM
DAETGNLFLKEKLDREALCGATEPCVLHFQIILENPVQFFQTELQLTDINDHSPEFSDTEMLLTIPENAQ
PGTVFPLKAAHSDIGSNAVQNYTVNPNHFHVTLRSDDRKYPELVLDRLDREEQPELTLTLTALDG
GSPPRSGTTEVHIEVDINDNAPQFIQSLYEVQVPENSPLNALVVMVSATDLDAIGYGNVAYSFLQGDGL
SQPFVIDKITGEIRLTKELDFEVSHHYTIEIAATDGGGLSGKCTVVIQVLDVNDNAPELAIRKLTVPVPE
NSAETVVAVFSVSDSDSDNGRIVCSIQNNIPFLKPTFENYITLVTEGPLDRESRAEYNITITVWDLGT
PRLTTQHTITVQVADINDNAPFTQTSYTLFVQENNSPALHIGTISATSDSGSNAHITYSLLPPHDSQL
ALASLVINSNDNGQLFALRAMDYEMLQAFELHVDATDGGSPALSSQALVRVVLDNDNSPFVLYPMQNA
SAPCTELLPRAAEPGYLITKVAVDRDSGQNAWLSFQLLKATEPGLFSVAHNGEVTRTLLSERDAPKH
KLLLLVKDNDGPPRSASVTLHVLVDGFSQPYLPLPEVARDSTQDDYDVLTLVVALASVSSLFLLSVL
LFVGVRLCRRARAASLDYSVPEGHFPShLVDVSRAGTLSQSYQYEVCLNGGTGTNEFNFLKPLFPIIPT
QAAAEERENAVVRNSVEFY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

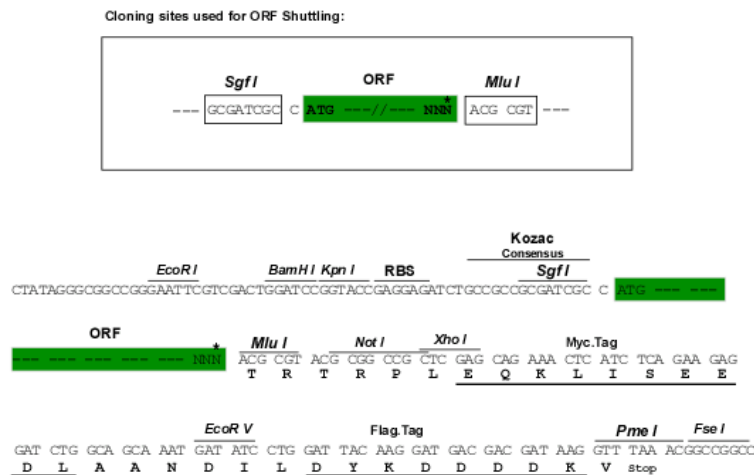
Chromatograms:

https://cdn.origene.com/chromatograms/mm9091_c11.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN:

NM_053137

ORF Size:

2367 bp

OTI Disclaimer:

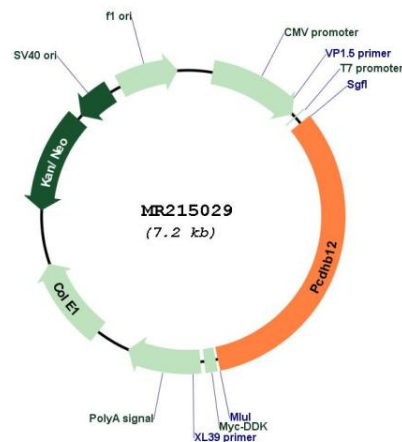
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_053137.2</u> , <u>NP_444367.1</u>
RefSeq Size:	3034 bp
RefSeq ORF:	2370 bp
Locus ID:	93883
Cytogenetics:	18 B3
MW:	86.6 kDa

Product images:



Circular map for MR215029