

Product datasheet for **MR214463**

Pcdhb16 (NM_053141) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Pcdhb16
Synonyms:	Pcdhb8; PcdhbP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence: >MR214463 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCCAGCAGGAAGCTCATTTGCAGACAAAGGCAAGTCCTTTTTCTTTCTCCTATTAGGCTTCC
CTCTAACGACTGCAGGGGAAGTGAAGCGCTATTCTGTGGTGGAGGAAAAGGAGGGTAGGTCTTTGTAAC
CAATTTAGTAAAAGACCTGGGTCTTGGGCAGCTGGAAGTCTCCCGAGAGGAGCTAAGGTCAATTTCTAAA
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AAAACTGTGTGGGCATACAGAGCCATGCTTGTAAAGCTTCCAAGTGTGCTAGACAACCCCTTGGATAT
TTTTCAAGCTGAGCTAGAAGTCACAGACATAAATGACCACTCACCAGAATTCCTGGACAAAGAGATCATG
CTAAAGATATCAGAAAGCAGTCTTCTGGAGCTACATTTCTCTGAAGAATGCTCAGGACATGGATGTAG
GCCAAACGGTATTGACAAGTATCTGATCAGTTCGAATTCCTATTTTCGAGTGTCTACTCGGAAACGAAG
CGATGGCAAGAAATACCTGAAGTGTACTAGACAGAGCACTGGATAGAGAGGAGGAAGCTGAGCTCAGG
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TGCCCTGCACATAGGCACCATCAGTGCCACAGACTCAGACTCAGGCTCCAATGCTCACATCACTTACTCG
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CTGCCAGTGTCACTGCATGTGCTGCTGGTGGATGGCTTCTCTCAGCCCTACCTGCCTCTGCCAGAGGT
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CCAATTTTACCTAATTTTCAAGACCATTTCTTTAGACCAGAAATGGGTGAAAATCCCACTCTAGGAATG
ACTGGAGTTTTTGGTATTCAAGTAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>MR214463 protein sequence
 Red=Cloning site Green=Tags(s)

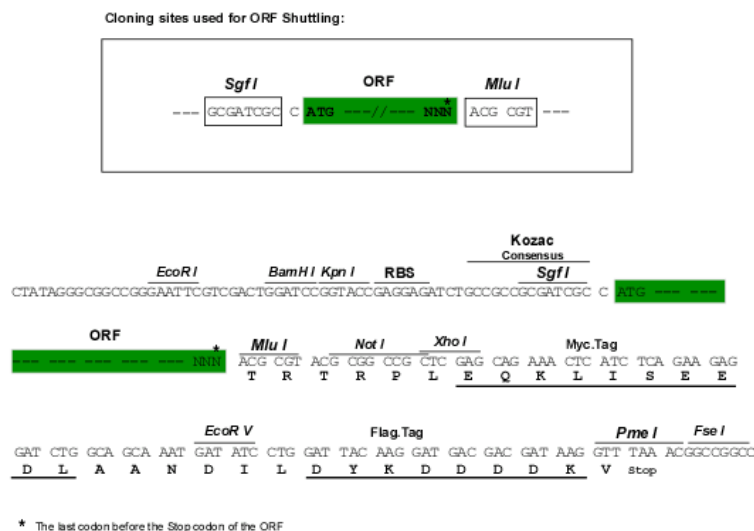
MEASRKLICRQVLFFFLLLGFLTTAGELRRYSVVEEKEGRSFVTNLVKDLGLGQLELSRRGAKVISK
 GNKLHLQLDQETGDLLENEKVDREKLCGHTPECLLSFQVLLDNPLDIFQAELEVTDINDHSPEFLDKEIM
 LKISESSLPGATFPLKNAQMDVQNGIDKYLISNSYFRVLTRKSDGKKYPELVLDRLDREEEAELR
 LTLTAQDGGSLPRSGTTEVHIEVLDINDNAPQFEQLFYKAQIPEDSPIGFLIITVSATDKDIGVNGQISY
 SLFQVSDDISKTFSIHPLTGEVRLKEHLDFEKTQSYEINIEARDAGTFSGKCTILAQVLDVNDHAPEIIL
 SAFTNSILENLPETMVAVFSVSDLDSENGKVSQSIQDDLFFFLKPSGENFYTLSSQKPLDRESVAEYNI
 TITVADMGSPILKTQVNLTVQVSDINDNAPIFTQTSYTMFIRENNSPALHIGTISATSDSGSNAHITYS
 LLPPHDHLALASFISINADNGQLFVLRALDYEALQAFEFHVGATDGGSPALSSQALVRMVLDNDNAP
 FVLYPMQNASAPYTELLPRAAEPGYLVTKVAVDRDSGQNAWLSFQLLKATEPGLFSVWAHNGEVHTSRL
 LSERDVHKHRLILLVKDNGDPPRSASVTLHVLLVDGFSQPYLPLPEVARDPDHEDSELTYLVIALASVS
 SLFLVSVLLFVGVRLCRRAREVSLGGCSVPEGHFGHLVDVSGTGTLSQSYQYEVCLTGDSGTGEFKYLK
 PILPNFQDHSFRPEMGENPNRNDWSFGIQLK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_053141

ORF Size:

2406 bp

OTI Disclaimer:

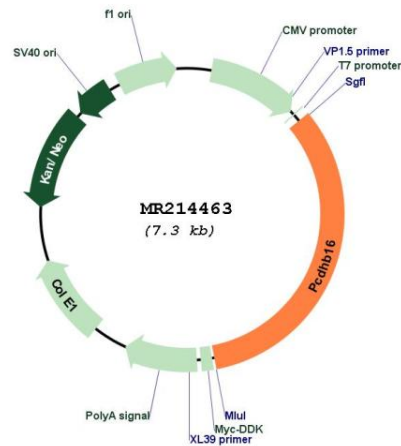
The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in 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_053141.3</u> , <u>NP_444371.3</u>
RefSeq Size:	5278 bp
RefSeq ORF:	2409 bp
Locus ID:	93887
Cytogenetics:	18 B3
MW:	88.7 kDa

Product images:



Circular map for MR214463