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Product datasheet for RC234847

CDHH (CDH13) (NM_001220488) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDHH (CDH13) (NM_001220488) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDHH
Synonyms:	CDHH; P105
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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ORF Nucleotide Sequence:

>RC234847 representing NM_001220488
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAAACGCCGCCGGGCGCTTCTAGTCGGACAAAATGCAGCCGAGAACTCCGCTCGTTCTGTGCGTTCT
CCTGTCCCAGGGCCAAACAACCCACCTGCACTGCATGGTTCCCCCAGCAAGAACATCCCAGTGAGAATGG
CCCACAGATGCCTGGGCGTGACCCACCTGCAGCTTCAACCATGCAGGTGCTGCTGCTAACATCTGCAGAA
GATTTGGACTGCACTCCTGGATTTCAGCAGAAAGTGTTCCATATCAATCAGCCAGCTGAATTCATTGAGG
ACCAGTCAATTCTAAACTTGACCTTCAGTGACTGTAAGGGAAACGACAAGCTACGCTATGAGGTCTCGAG
CCCATACTTCAAGGTGAACAGCGATGGCGGCTTAGTTGCTCTGAGAAACATAACTGCAGTGGGCAAAACT
CTGTTCGTCCATGCACGGACCCCCCATGCGGAAGATATGGCAGAACTCGTGATTGTCGGGGGGAAAGACA
TCCAGGGCTCCTTGCAGGATATATTTAAATTTGCAAGAACTTCTCCTGTCCCAAGACAAAAGAGGTCCAT
TGTGGTATCTCCCATTTTAATTCCAGAGAATCAGAGACAGCCTTTCCCAAGAGATGTTGGCAAGGTAGTC
GATAGTGACAGGCCAGAAAGGTCCAAGTTCCGGCTCACTGGAAAGGGAGTGGATCAAGAGCCTAAAGGAA
TTTTCAGAATCAATGAGAACACAGGGAGCGTCTCCGTGACACGGACCTTGGACAGAGAAGTAATCGCTGT
TTATCAACTATTTGTGGAGACCACTGATGTCAATGGCAAAACTCTCGAGGGGCCGGTGCCTCTGGAAGTC
ATTGTGATTGATCAGAATGACAACCGACCGATCTTTCGGGAAGGCCCCTACATCGGCCACGTCATGGAAG
GGTCACCCACAGGCACCACAGTGATGCGGATGACAGCCTTTGATGCAGATGACCCAGCCACCGATAATGC
CCTCCTGCGGTATAATATCCGTCAGCAGACGCCTGACAAGCCATCTCCCAACATGTTCTACATCGATCCT
GAGAAAGGAGACATTGTCACTGTTGTGTCACCTGCGCTGCTGGACCGAGAGACTCTGGAAAATCCCAAGT
ATGAACTGATCATCGAGGCTCAAGATATGGCTGGACTGGATGTTGGATTAACAGGCACGGCCACAGCCAC
GATCATGATCGATGACAAAAATGATCACTCACCAAAATTCACCAAGAAAGAGTTTCAAGCCACAGTCGAG
GAAGGAGCTGTGGGAGTTATTGTCAATTTGACAGTTGAAGATAAGGATGACCCCACCACAGGTGCATGGA
GGGCTGCCTACACCATCATCAACGGAAACCCCGGGCAGAGCTTTGAAATCCACACCAACCCTCAAACCAA
CGAAGGGATGCTTTCTGTTGTCAAACCATTGGACTATGAAATTTCTGCCTTCCACACCCTGCTGATCAAA
GTGGAAAATGAAGACCCACTCGTACCCGACGTCTCCTACGGCCCCAGCTCCACAGCCACCGTCCACATCA
CTGTCCTGGATGTCAACGAGGGCCCAGTCTTCTACCCAGACCCCATGATGGTGACCAGGCAGGAGGACCT
CTCTGTGGGCAGCGTGCTGCTGACAGTGAATGCCACGGACCCCGACTCCCTGCAGCATCAAACCATCAGG
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CTGTGCTGGACCGTGAGTCCCCATTTGTCGACAACAGCGTGTACACTGCTCTCTTCCTGGCAATTGACAG
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TTCATTTACCCCACAGTAGCTGAAGTCTGTGATGATGCCAAAAACCTCAGTGTAGTCATTTTGGGAGCAT
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AACTACAACCTGCCCATCATGGTGACAGATTCAGGGAAACCACCCATGACGAATATCACAGATCTCAGGG
TACAAGTGTGCTCCTGCAGGAATTCCAAAGTGGACTGCAACGCGGCAGGGGCCCTGCGCTTCAGCCTGCC
CTCAGTCCTGCTCCTCAGCCTCTTCAGCTTAGCTTGTCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

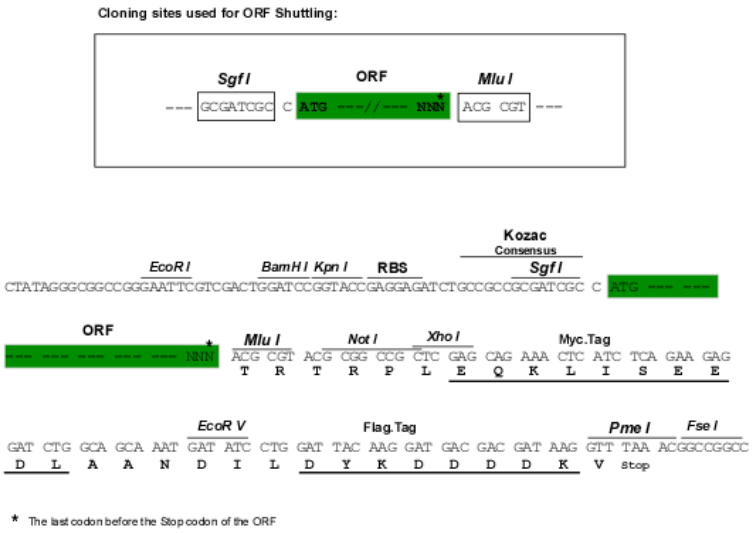
>RC234847 representing NM_001220488
Red=Cloning site Green=Tags(s)

MKTPPGASSRTKCSRELRSFCAFSCPRAKQPTCTAWFPQQEHPSENGPQMPGRDPPAASTMQVLLLTSAE
DLDCTPGFQQKVFHINQPAEFIEDQSILNLTFSDCKGNDKLRYEVSSPYFKVNSDGGLVALRNITAVGKT
LFVHARTPHAEDMAELVIVGGKDIQGSLQDIFKFARTSPVPRQKRSIVVSPILIPENQRQPFPRDVGKVV
DSDRPERSKFRLTGKGVDQEPKGIFRINENTGSVSVTRTLDREVIAVYQLFVETTDVNGKTLEGPVPLEV
IVIDQNDNRPIFREGPYIGHVMEGSPTGTTVMRMTAFDADDPATDNALLRYNIRQQTPDKPSPNMFYIDP
EKGDIVTVVSPALLDRETLENPKYELIIEAQDMAGLDVGLTGTATATIMIDDKNDHSPKFTKKEFQATVE
EGAVGVIVNLTVEDKDDPTTGAWRAAYTIINGNPGQSFEIHTNPQTNEGMLSVVKPLDYEISAFHTLLIK
VENEDPLVPDVSYGPSSTATVHITVLDVNEGPVFYPDPMMVTRQEDLSVGSVLLTVNATDPDSLQHQTIR
YSVYKDPAGWLNINPINGTVDTTAVLDRESPFVDNSVYTALFLAIDSGNPPATGTGTLLITLEDVNDNAP
FIYPTVAEVCDDAKNLSVVILGASDKDLHPNTDPFKFEIHKQAVPDKVWKISKINNTHALVSLLQNLNKA
NYNLPIMVTDSGKPPMTNITDLRVQVCSCRNSKVDCNAAGALRFSLPSVLLLSLFSLACL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001220488

ORF Size: 2280 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).

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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_001220488.2

RefSeq Size: 4134 bp

RefSeq ORF: 2283 bp

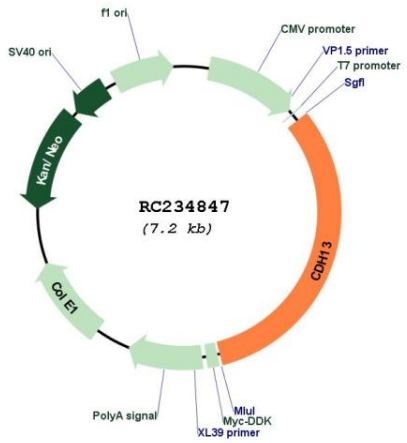
Locus ID: 1012

Cytogenetics: 16q23.3

MW: 83.8 kDa

Gene Summary: This gene encodes a member of the cadherin superfamily. The encoded protein is localized to the surface of the cell membrane and is anchored by a GPI moiety, rather than by a transmembrane domain. The protein lacks the cytoplasmic domain characteristic of other cadherins, and so is not thought to be a cell-cell adhesion glycoprotein. This protein acts as a negative regulator of axon growth during neural differentiation. It also protects vascular endothelial cells from apoptosis due to oxidative stress, and is associated with resistance to atherosclerosis. The gene is hypermethylated in many types of cancer. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, May 2011]

Product images:



Circular map for RC234847

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