

Product datasheet for **RC230530**

MUPCDH (CDHR5) (NM_001171968) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MUPCDH (CDHR5) (NM_001171968) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDHR5
Synonyms:	MLPCDH; MU-PCDH; MUCDHL; MUPCDH
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC230530 representing NM_001171968
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGTCTTGGGCCCTGCTGTGGCCTCCCTGCTGTTACCGGGCTGCTCGTCCGACCCCGGGACCA
 TGGCCAGGCCAGTACTGCTCTGTGAACAAGGACATCTTTGAAGTAGAGGAGAACAATAATGTCACCGA
 GCCGCTGGTGGACATCCACGTCCCGGAGGGCCAGGAGGTGACCCTCGGAGCCTTGTCCACCCCTTTGCA
 TTTCCGATCCAGGAAACCAGCTGTTTCTCAACGTGACTCCTGATTACGAGGAGAAGTCACTGCTTGAGG
 CTCAGCTGCTGTGTGAGAGCGGAGGCACATTGGTGACCCAGCTAAGGGTGTTCGTGTGCTGGACGT
 CAATGACAATGCCCCGAATCCCTTTAAGACCAAGGAGATAAGGGTGGAGGAGACACGAAAGTGAAC
 TCCACCGTCATCCCGAGACGCAACTGCAGGCTGAGGACCGGACAAGGACGACATTCTGTTCTACACC
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 GGACCGGCCCTGGACTTCTACGAGCGGCCGAACATGACCTTCTGGCTGTGGTGGGGACACTCCGGGG
 GAGAATGTGGAACCCAGCCACACTGCCACCGCCACACTAGTGCTGAACGTGGTCCCGCCGACTGCCGG
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 CCGCCCGCTTCCCCAGAGACTGTATCGTGGCACCGTGGCGCTGGCGTGGAGCGGGCTTGTGGTCA
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 GGCCATCACATATCGAATTACCAACCACTCACACTTCCGGATGGAGGGAGAGTTGTGCTGACCACCACC
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 CCACAGTCATTGAGATACAAGTTTCCGAACAGGAGCCCCCTCCACAGAGGCTGGAGGAACAAGTGGCC
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 GCCCCCGGTATGGGAACCAGCACCTCCACCAACCAACCACACCCGGTGGGGGCACAGCACAGACCCCA
 GAGCCAGGAACCTCTCAGCCGATGCCCTCAGCAAGAGCACCCCATCTTTCAGGTGGCGGCCCTCGGAGG
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 ATCCTGACCAAGGAGCGCGGCCGAGGGCGGGTACAAGGCTGTCTGGTTTGGCGAGGACATCGGGACGG
 AGGCAGACGTGGTCTTCTCAACGCGCCACCCTGGACGTGGATGGCGCCAGTACTCCGCGAGCGGCGA
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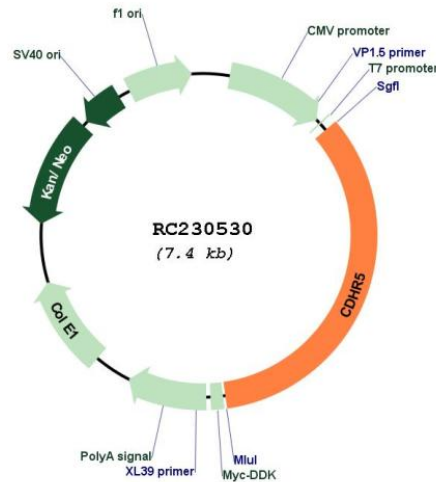
ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230530 representing NM_001171968
Red=Cloning site Green=Tags(s)

MGSWALLWPPLLFTGLLVRPPGTMAQAQYCSVNKDI FEVEENTNVTEPLVDIHVPEGQEVTLGALSTPFA
FRIQGNQLFLNVTPDYEEKSLLEAQLLCQSGGTLVTLQRFVSVLVDVNDNAPEFPFKTKEIRVEEDTKVN
STVIPETQLQAEDRDKDDILFYTLQEMTAGASDYFSLVSVNRPALRLDRPLDFYERPNMTFWLLVRDTPG
ENVESHTATATLVLNVVPADLRPPWFLPCTFSDGYVCIQAQYHGAVPTGHILPSPLVLRPGPIYAEDGD
RGINQPIIYSIFRGNVNGTFIIHPDSGNLTVARSVSPMTFLLL VKGQQADLARYSVTQVTVEAVAAAGS
PPRFPQRLYRGTVARGAGAGVVVKDAAAPSQPLRIQAQDPEFSDLNSAITYRITNHSHFRMEGEVLT
TLAQAGAFYAEVEAHNTVTS GTATTVIEIQVSEQEPPSTEAGGTTGPWTSTTSEVPRPPEPSQGPSTTSS
GGGTGPHPPSGTTLRPPTSSTPGGPPGAENSTSHQPATPGGDTAQT PKPGTSQPMPPGVGTSTSHQPATP
SGGTAQTPEPGTSQPMPPSMGTSTSHQPATPGGTAQTPEAGTSQPMPPGMGTSTSHQPTTPGGGTAQTP
EPGTSQPMPLSKSTPSSGGPSEDKRF SVVDMAALGGVLGALLLALLGLAVLVHKKHYGPRLKCCSGKAP
EPQPQGFNDQAFLPDHKANWAPVSPTHDPKPAEAPMPAEPAPPGPASPGGAPEPPAAAARAGGSPTAVRS
ILTKERRPEGGYKAVWFGEDIGTEADVVLNAPTLDVDGASDSGSGDEGEAGRGGGPPYDAPGGDDSYI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Plasmid Map:


ACCN: NM_001171968

ORF Size: 2517 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_001171968.1](#), [NP_001165439.1](#)

RefSeq ORF: 2520 bp

Locus ID: 53841

UniProt ID: [Q9HBB8](#)

Cytogenetics: 11p15.5

Protein Families: Transmembrane

MW: 88.1 kDa

Gene Summary: This gene is a novel mucin-like gene that is a member of the cadherin superfamily. While encoding nonpolymorphic tandem repeats rich in proline, serine and threonine similar to mucin proteins, the gene also contains sequence encoding calcium-binding motifs found in all cadherins. The role of the hybrid extracellular region and the specific function of this protein have not yet been determined. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Jan 2010]