

Product datasheet for **RC221079**

CDHR4 (NM_001007540) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDHR4 (NM_001007540) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDHR4
Synonyms:	CDH29; PRO34300
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC221079 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGTGTCTCAGGCTCCTCGTGTCTCTTTGCTCCGGTGGTCTCTGACCTCTGCAGCCTGCCCTGCT
TTATAATGTCTCTGAGAGCCAGGGCCCTGGCACAGTCCTTCAGTTTTATCCTTCAACTGCTCCTCCTA
CACGCCACACCCACCCTGGAGTTGCTCAATGTCCAGCCACCCACCACCTTCTCAACCCACCCAGCTTG
GCCAGGTGGCAAGGGACCTATGTGGCAAGTTGACCTTGAGCAGCTCTGCTCAGTTGGATGCCCTGATGG
TGAACCACTACAAGGTGCAGCTGAAGTTCACATGTGGCAACCATGTGATGGAGGGCTCACTCTCTGTGGA
TGTGCAGCGGGACCTTAGCCATATCCAGTGTGCTGGTCAATTTGCCAGCCAGGTGAGGCCAGGGGCAGC
CGGCAGGGTGGGGCAGGCATGGCCTGAGCAGATCCTCCCTGACCTCCACTCTGGCCAGCTGGGGAAATG
ATTCAGGTGCCAGAGACAGTCACACCTGGGGCTCGGCTGTACACTCTGCTCCTCCAGGCCATAGAACTCC
ACGGAGCGCAGGTAAGCCAGAACATGGGACGGTGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC221079 protein sequence Red=Cloning site Green=Tags(s)
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MVLLRLLVFLFAPVVDLCSLPFCINVSESQPGTVLQFLSFNCSSYTPTPLELLNVQPPTTFNPPSL
ARWQGTYYGKLTLSAQLDALMVNHYKVLKFTCGNHVMEGSLSDVQQRDLSHIQCAGQFASPGEARGS
RQGGRRHGLSRSSLTSTLASWGNDSGARDSHTWGS AVHSAPPRPTPR SAGKPRTWDGG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

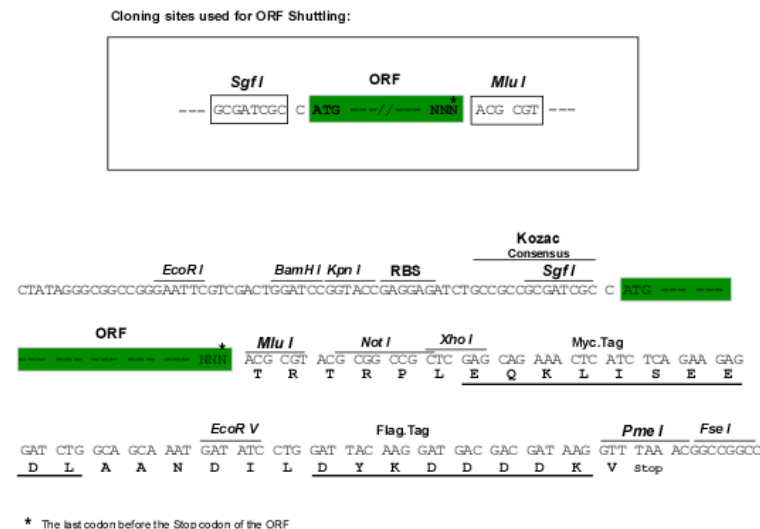


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Chromatograms: https://cdn.origene.com/chromatograms/mk6469_b06.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM 001007540

ORF Size: 597 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: [NM_001007540.1](#), [NP_001007541.1](#)

RefSeq Size: 2500 bp

RefSeq ORF: 2367 bp

Locus ID: 389118

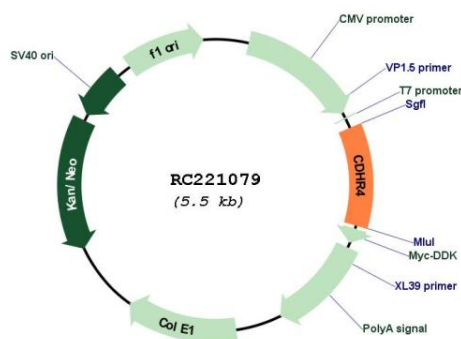
UniProt ID: [A6H8M9](#)

Cytogenetics: 3p21.31

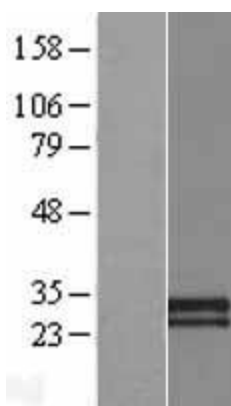
MW: 21.4 kDa

Gene Summary: Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC221079



Western blot validation of overexpression lysate (Cat# [LY423506]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221079 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).