

Product datasheet for **RC239588**

CDHR3 (NM_001301161) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CDHR3 (NM_001301161) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CDHR3
Synonyms:	CDH28
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide
Sequence:

>RC239588 representing NM_001301161
Red=Cloning site Blue=ORF Green=Tags(s)

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GCCGCGATCGCC

ATGGAACAAC TAGATTTT GAAACAGGACCAACATATTTGATTTGCAGATTTATGTGAAGGATGAGGTTG
GTGTCACAGACCTGCAAGTCCTGACTGTCCAGGTAACAGATGTGAACGAGCCACCTCAGTTTCAAGGCAA
CTTGCCAGAAGGTCTACACCTCTACATAGTAGAAAGAGCAAACCTCGATTTCATTTACCAGGTTGAGGCC
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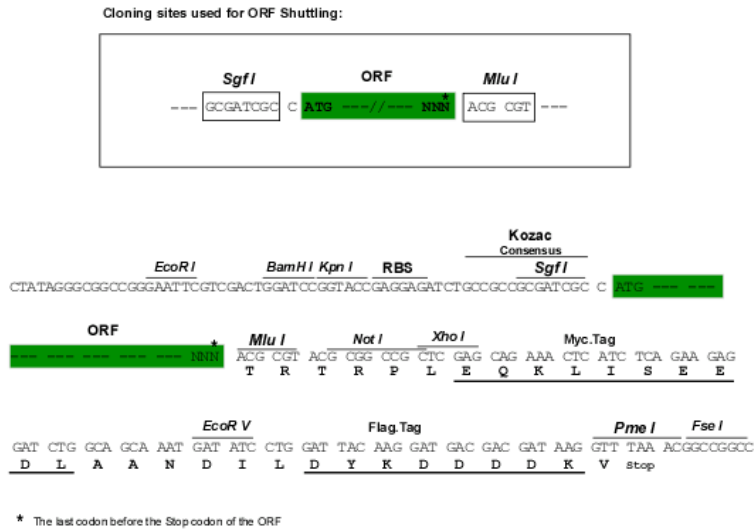
Protein Sequence: >RC239588 representing NM_001301161
 Red=Cloning site Green=Tags(s)

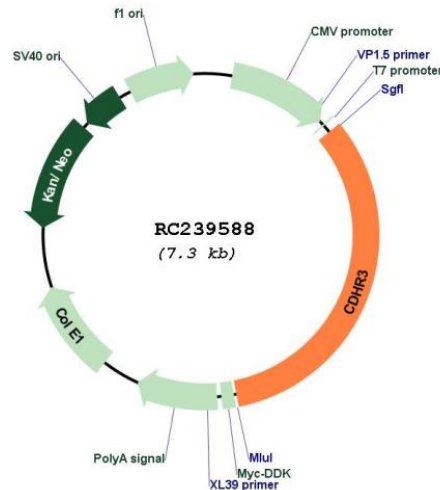
MEQLDFETGPNIFDLQIYVKDEVGVTDLQVLTVQVTDVNEPPQFQGNLAEGLHLIYVERANPGFIYQVEA
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 LNDEVPRFTSPTRVYTVLEELSPGTIVANITAEDPDDEGFPSHLLYSITTVSKYFMINQLTGTIQVAQRI
 DRDAGELRQNPTISLEVLVKDRPYGGQENRIQITFIVEDVNDNPATCQKFTFSIMVPERTAKGTLLLDLN
 KFCFDDSEAPNNRFNFMPSGVSGSRFLQDPAGSGKIVLIGDLDYENPSNLAAGNKYTVIIQVQDVAP
 PYYKNNVYVYILTSPENEFPLIFDRPSYVFDVSERRPARTRVQVRATDKDLPQSSLLYSISTGGASLQY
 PNVFWINPKTGELQLVTKVDCETPIYILRIQATNNEDTSSVTVTVNILEENDEKPICTPNSYFLALPVD
 LKVGVTNIQNFKLTCTDLSSPRSFYRYSIGPGVNNHFTFSPNAGSNVTRLLLTSRFDYAGGFDKIWDYKL
 LVYVTDNLMMSDRKKAELVETGTVLSIKVIPHTTIIITTPRPRVYQVLRKNVYSPSAWVYVVFVITL
 GSILLGLLVYLVLLAKAIHRHCPCKTGKNKEPLTKKGETKTAERDVVETIQMNTIFDGEAIDPVTGE
 TYEFNSKTGARKWKDPLTQMPKWKESHQGAAPRRVTAGEGMGSLRSANWEEDELSGKAWAEDAGLSRN
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001301161

ORF Size: 2391 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_001301161.2](#)

RefSeq Size: 6297 bp

RefSeq ORF: 2394 bp

Locus ID: 222256

UniProt ID: [Q6ZTQ4](#)

Cytogenetics: 7q22.3

Protein Families: Transmembrane

MW: 89.3 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.[UniProtKB/Swiss-Prot Function]