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Product datasheet for RC216005

PCDH15 (NM_033056) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PCDH15 (NM_033056) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PCDH15
Synonyms:	CDHR15; DFNB23; USH1F
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC216005 representing NM_033056 Red=Cloning site Blue=ORF Green=Tags(s)

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GCCGCGATCGCC

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GCTTGGGCCAGTATGATGATGATTGCAAACTAGCTAGGGGAGGACCACCAGCTACCATAGTTGCTATTGA
TGAAGAAAGTCGGAATGGTACAATTCTGGTGGACAACATGCTGATCAAAGGGACTGCTGGAGGACCAGAC
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AAGAAATATTTTTGAAAATTTTGCCCATCCACCAAACATCTCTCCTTCTGCCTGTCCCCTTCCCCCTCCT
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Protein Sequence:

>RC216005 representing NM_033056
Red=Cloning site Green=Tags(s)

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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

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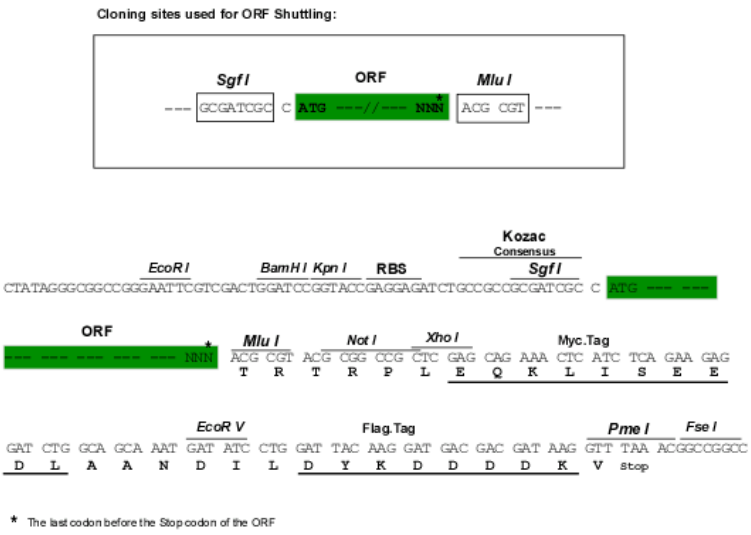
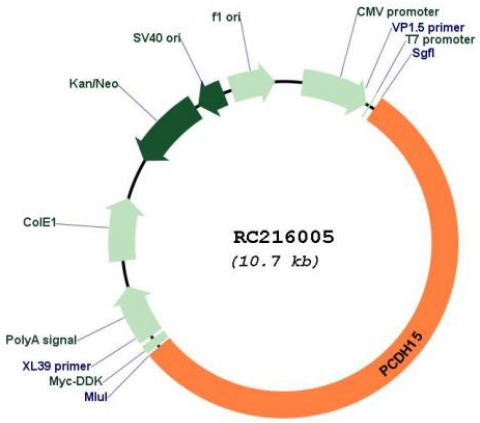
Cloning Scheme:



Plasmid Map:



ACCN: NM_033056

ORF Size: 5865 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

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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_033056.4
RefSeq Size:	7021 bp
RefSeq ORF:	5868 bp
Locus ID:	65217
UniProt ID:	Q96QU1
Cytogenetics:	10q21.1
Domains:	CA
Protein Families:	Druggable Genome, Transmembrane
MW:	216.1 kDa
Gene Summary:	This gene is a member of the cadherin superfamily. Family members encode integral membrane proteins that mediate calcium-dependent cell-cell adhesion. It plays an essential role in maintenance of normal retinal and cochlear function. Mutations in this gene result in hearing loss and Usher Syndrome Type IF (USH1F). Extensive alternative splicing resulting in multiple isoforms has been observed in the mouse ortholog. Similar alternatively spliced transcripts are inferred to occur in human, and additional variants are likely to occur. [provided by RefSeq, Dec 2008]

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