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Product datasheet for RC210970L1V

R Cadherin (CDH4) (NM_001794) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	R Cadherin (CDH4) (NM_001794) Human Tagged ORF Clone Lentiviral Particle
Symbol:	R Cadherin
Synonyms:	CAD4; R-CAD; RCAD
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_001794
ORF Size:	2748 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC210970).
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.
RefSeq:	NM_001794.2
RefSeq Size:	3063 bp
RefSeq ORF:	2751 bp
Locus ID:	1002
UniProt ID:	P55283
Cytogenetics:	20q13.33
Domains:	Cadherin_C_term, CA
Protein Families:	Transmembrane

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Protein Pathways: Cell adhesion molecules (CAMs)

MW: 100.28 kDa

Gene Summary: This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Based on studies in chicken and mouse, this cadherin is thought to play an important role during brain segmentation and neuronal outgrowth. In addition, a role in kidney and muscle development is indicated. Of particular interest are studies showing stable cis-heterodimers of cadherins 2 and 4 in cotransfected cell lines. Previously thought to interact in an exclusively homophilic manner, this is the first evidence of cadherin heterodimerization. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2011]