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Product datasheet for RC209218L2V

Desmocollin 2 (DSC2) (NM_024422) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Desmocollin 2 (DSC2) (NM_024422) Human Tagged ORF Clone Lentiviral Particle
Symbol:	DSC2
Synonyms:	ARVD11; CDHF2; DG2; DGII/III; DSC3
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_024422
ORF Size:	2703 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC209218).
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_024422.2
RefSeq Size:	5140 bp
RefSeq ORF:	2706 bp
Locus ID:	1824
UniProt ID:	Q02487
Cytogenetics:	18q12.1
Domains:	CA
Protein Families:	Transmembrane

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Protein Pathways: Arrhythmogenic right ventricular cardiomyopathy (ARVC)

MW: 97 kDa

Gene Summary: This gene encodes a member of the desmocollin protein subfamily. Desmocollins, along with desmogleins, are cadherin-like transmembrane glycoproteins that are major components of the desmosome. Desmosomes are cell-cell junctions that help resist shearing forces and are found in high concentrations in cells subject to mechanical stress. This gene is found in a cluster with other desmocollin family members on chromosome 18. Mutations in this gene are associated with arrhythmogenic right ventricular dysplasia-11, and reduced protein expression has been described in several types of cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]