

## Product datasheet for **RC200998L2V**

### TMEM43 (NM\_024334) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TMEM43 (NM_024334) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TMEM43
Synonyms:	ARVC5; ARVD5; EDMD7; LUMA
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_024334
ORF Size:	1200 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200998).
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. <a href="#">More info</a>
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:	<a href="#">NM_024334.1</a>
RefSeq Size:	3343 bp
RefSeq ORF:	1203 bp
Locus ID:	79188
UniProt ID:	<a href="#">Q9BTV4</a>
Cytogenetics:	3p25.1
Protein Families:	Transmembrane
MW:	44.9 kDa



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**Gene Summary:**

This gene belongs to the TMEM43 family. Defects in this gene are the cause of familial arrhythmogenic right ventricular dysplasia type 5 (ARVD5), also known as arrhythmogenic right ventricular cardiomyopathy type 5 (ARVC5). Arrhythmogenic right ventricular dysplasia is an inherited disorder, often involving both ventricles, and is characterized by ventricular tachycardia, heart failure, sudden cardiac death, and fibrofatty replacement of cardiomyocytes. This gene contains a response element for PPAR gamma (an adipogenic transcription factor), which may explain the fibrofatty replacement of the myocardium, a characteristic pathological finding in ARVC. [provided by RefSeq, Oct 2008]