

Product datasheet for **MR217154L4V**

Dsg2 (NM_007883) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Dsg2 (NM_007883) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Dsg2
Synonyms:	AA408168; D18Ertd293; D18Ertd293e
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_007883
ORF Size:	3366 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR217154).
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_007883.2 , NP_031909.2
RefSeq Size:	5730 bp
RefSeq ORF:	3369 bp
Locus ID:	13511
UniProt ID:	O55111
Cytogenetics:	18 11.42 cM



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Gene Summary:

This gene encodes a member of the cadherin family of proteins that forms an integral transmembrane component of desmosomes, the multiprotein complexes involved in cell adhesion, organization of the cytoskeleton, cell sorting and cell signaling. The encoded preproprotein undergoes proteolytic processing to generate a mature, functional protein. Mice lacking the encoded protein die in utero. Mutant mice lacking a part of the extracellular adhesive domain of the encoded protein develop cardiac fibrosis and dilation. This gene is located in a cluster of desmosomal cadherin genes on chromosome 18. [provided by RefSeq, Jan 2016]