

Product datasheet for **MR226782L4V**

Smad9 (NM_019483) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Smad9 (NM_019483) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Smad9
Synonyms:	Madh; MADH6; Madh8; Madh9; SMA; SMAD; Smad8
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019483
ORF Size:	1287 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR226782).
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_019483.4
RefSeq Size:	5380 bp
RefSeq ORF:	1293 bp
Locus ID:	55994
UniProt ID:	Q9JIW5
Cytogenetics:	3 C



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Gene Summary:

This gene encodes a member of a family of proteins that act as downstream effectors of the bone morphogenetic protein (BMP) signaling pathway. The encoded protein is phosphorylated by BMP receptors, which stimulates its binding to SMAD4 and translocation into the nucleus, where it functions as a regulator of transcription. Activity of this protein is important for embryonic development. Mutation of this gene results in defects in pulmonary vasculature. [provided by RefSeq, Mar 2013]