

## Product datasheet for **MR227576L4V**

### Smad6 (NM\_008542) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Smad6 (NM_008542) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Smad6
Synonyms:	b2b390Clo; Madh6
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008542
ORF Size:	1500 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227576).
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_008542.3</a>
RefSeq Size:	2971 bp
RefSeq ORF:	1488 bp
Locus ID:	17130
UniProt ID:	<a href="#">O35182</a>
Cytogenetics:	9 C



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**Gene Summary:**

Binds to regulatory elements in target promoter regions (By similarity). May block the BMP-SMAD1 signaling pathway by competing with SMAD4 for receptor-activated SMAD1-binding (By similarity). Acts as a mediator of TGF-beta and BMP anti-inflammatory activity. Suppresses IL1R-TLR signaling through its direct interaction with PEL1, preventing NF-kappa-B activation, nuclear transport and NF-kappa-B-mediated expression of proinflammatory genes. [UniProtKB/Swiss-Prot Function]