

Product datasheet for **RC227610L3V**

SMAD6 (NM_001142861) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SMAD6 (NM_001142861) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SMAD6
Synonyms:	AOVD2; HsT17432; MADH6; MADH7
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001142861
ORF Size:	705 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227610).
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_001142861.1 , NP_001136333.1
RefSeq ORF:	708 bp
Locus ID:	4091
Cytogenetics:	15q22.31
Protein Families:	Cancer stem cells, Druggable Genome, ES Cell Differentiation/IPs, Transcription Factors
Protein Pathways:	TGF-beta signaling pathway
MW:	26.1 kDa



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Gene Summary:

The protein encoded by this gene belongs to the SMAD family of proteins, which are related to Drosophila 'mothers against decapentaplegic' (Mad) and C. elegans Sma. SMAD proteins are signal transducers and transcriptional modulators that mediate multiple signaling pathways. This protein functions in the negative regulation of BMP and TGF-beta/activin-signalling. Multiple transcript variants have been found for this gene.[provided by RefSeq, Sep 2014]