

Product datasheet for **MR227010L4V**

Ptch1 (NM_008957) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ptch1 (NM_008957) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ptch1
Synonyms:	A230106A15Rik; mes; Ptc; Ptc1; Ptch; wig
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008957
ORF Size:	4302 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227010).
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_008957.2
RefSeq Size:	4305 bp
RefSeq ORF:	4305 bp
Locus ID:	19206
UniProt ID:	Q61115
Cytogenetics:	13 32.8 cM



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Gene Summary:

Acts as a receptor for sonic hedgehog (SHH), indian hedgehog (IHH) and desert hedgehog (DHH). Associates with the smoothened protein (SMO) to transduce the hedgehog's proteins signal. Seems to have a tumor suppressor function, as inactivation of this protein is probably a necessary, if not sufficient step for tumorigenesis.[UniProtKB/Swiss-Prot Function]