

Product datasheet for **MR225917L4V**

Gli2 (NM_001081125) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Gli2 (NM_001081125) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Gli2
Synonyms:	AW546128
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001081125
ORF Size:	4620 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR225917).
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_001081125.1
RefSeq Size:	6708 bp
RefSeq ORF:	4635 bp
Locus ID:	14633
UniProt ID:	Q0VGT2
Cytogenetics:	1 52.17 cM



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Gene Summary:

Functions as transcription regulator in the hedgehog (Hh) pathway (PubMed:9006072). Functions as transcriptional activator (PubMed:10806483). May also function as transcriptional repressor (PubMed:10433919). Requires STK36 for full transcriptional activator activity (PubMed:10806483). Binds to the DNA sequence 5'-GAACCACCCA-3' which is part of the TRE-2S regulatory element (By similarity). Is involved in the smoothed (SHH) signaling pathway (PubMed:10433919). Required for normal skeleton development (PubMed:9006072).[UniProtKB/Swiss-Prot Function]