

Product datasheet for MR225917L3

Gli2 (NM_001081125) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Gli2 (NM_001081125) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Gli2

Synonyms: AW546128

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

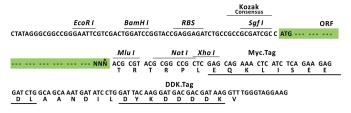
ORF Nucleotide The ORF insert of this clone is exactly the same as(MR225917).

Sequence:

Sgfl-Mlul

Restriction Sites: Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.



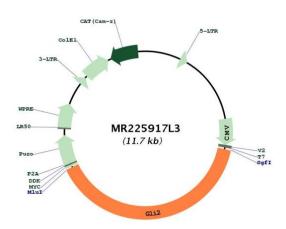
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Plasmid Map:



ACCN: NM_001081125

ORF Size: 4620 bp

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: NM 001081125.1

RefSeq Size: 6708 bp RefSeq ORF: 4635 bp



Gli2 (NM_001081125) Mouse Tagged Lenti ORF Clone - MR225917L3

 Locus ID:
 14633

 UniProt ID:
 Q0VGT2

 Cytogenetics:
 1 52.17 cM

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 smoothened (SHH) signaling pathway (PubMed:10433919). Required for normal skeleton development (PubMed:9006072).

[UniProtKB/Swiss-Prot Function]