

Product datasheet for **MR224595L3V**

Glis1 (NM_147221) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Glis1 (NM_147221) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Glis1
Synonyms:	Gli5; Gli6; GliH1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_147221
ORF Size:	2367 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224595).
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_147221.2 , NP_671754.2
RefSeq Size:	2904 bp
RefSeq ORF:	2370 bp
Locus ID:	230587
UniProt ID:	Q8K1M4
Cytogenetics:	4 C7



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Gene Summary:

Acts as both a repressor and activator of transcription (PubMed:12042312, PubMed:12385751, PubMed:21654807). Binds to the consensus sequence 5'-GACCACCCAC-3' (PubMed:12042312). By controlling the expression of genes involved in cell differentiation inhibits the lineage commitment of multipotent cells (PubMed:21654807, PubMed:30544251). Prevents, for instance, the differentiation of multipotent mesenchymal cells into adipocyte and osteoblast (PubMed:30544251).[UniProtKB/Swiss-Prot Function]