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Product datasheet for MR208349L4V

Glis2 (NM_031184) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Glis2 (NM_031184) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Glis2
Synonyms:	Gli5; Klf16; Nkl
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_031184
ORF Size:	1566 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR208349).
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_031184.3, NP_112461.2
RefSeq Size:	3619 bp
RefSeq ORF:	1566 bp
Locus ID:	83396
UniProt ID:	Q8VDL9
Cytogenetics:	16 2.45 cM

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Gene Summary: Can act either as a transcriptional repressor or as a transcriptional activator, depending on the cell context. Acts as a repressor of the Hedgehog signaling pathway. Represses the Hedgehog-dependent expression of Wnt4. Necessary to maintain the differentiated epithelial phenotype in renal cells through the inhibition of SNAI1, which itself induces the epithelial-to-mesenchymal transition. Represses transcriptional activation by CTNNB1 in the Wnt signaling pathway. May act by recruiting the corepressors CTBP1 and HDAC3. May be involved in neuron differentiation.[UniProtKB/Swiss-Prot Function]