Product datasheet for MR207677L4V

Klf10 (NM_013692) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Klf10 (NM_013692) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Klf10
Synonyms:	AI115143; Egral; EGR[a]; Gdnfif; mGIF; Tieg; TIEG-1; Tieg1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_013692
ORF Size:	1440 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR207677).
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_013692.2
RefSeq Size:	3056 bp
RefSeq ORF:	1440 bp
Locus ID:	21847
UniProt ID:	O89091
Cytogenetics:	15 B3.1

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Gene Summary: Transcriptional repressor which binds to the consensus sequence 5'-GGTGTG-3'. May play a role in the cell cycle regulation (By similarity). Plays a role in the regulation of the circadian clock; binds to the GC box sequence in the promoter of the core clock component ARTNL/BMAL1 and represses its transcriptional activity. Regulates the circadian expression of genes involved in lipogenesis, gluconeogenesis, and glycolysis in the liver. Represses the expression of PCK2, a rate-limiting step enzyme of gluconeogenesis.[UniProtKB/Swiss-Prot Function]