

Product datasheet for **MR212146L3V**

Nkx6 (Nkx6-1) (NM_144955) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nkx6 (Nkx6-1) (NM_144955) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nkx6-1
Synonyms:	Nkx6.1; NKX6A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_144955
ORF Size:	1095 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR212146).
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_144955.2 , NP_659204.1
RefSeq Size:	1808 bp
RefSeq ORF:	1098 bp
Locus ID:	18096
UniProt ID:	Q99MA9
Cytogenetics:	5 E4- E5



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Gene Summary:

Transcription factor which binds to specific A/T-rich DNA sequences in the promoter regions of a number of genes. Required for the development of insulin-producing beta cells in the islets of Langerhans at the secondary transition (PubMed:11076772). Involved in transcriptional regulation of the insulin gene. Together with NKX2-2 and IRX3, restricts the generation of motor neurons to the appropriate region of the neural tube. Belongs to the class II proteins of neuronal progenitor factors, which are induced by SHH signals. [UniProtKB/Swiss-Prot Function]