

Product datasheet for **MR227490L4V**

Nkx2 (Nkx2-2) (NM_010919) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nkx2 (Nkx2-2) (NM_010919) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nkx2-2
Synonyms:	Nkx-2.2; Nkx2.2; tinman
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010919
ORF Size:	819 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227490).
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_010919.2 , NP_035049.1
RefSeq Size:	2049 bp
RefSeq ORF:	822 bp
Locus ID:	18088
UniProt ID:	P42586
Cytogenetics:	2 72.63 cM



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Gene Summary:

Transcriptional activator involved in the development of insulin-producing beta cells in the endocrine pancreas (PubMed:11076772). May also be involved in specifying diencephalic neuromeric boundaries, and in controlling the expression of genes that play a role in axonal guidance. Binds to elements within the NEUROD1 promoter (PubMed:19759004).
[UniProtKB/Swiss-Prot Function]