

## Product datasheet for **MR227399L4V**

### **Nkx2 (Nkx2-5) (NM\_008700) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	Nkx2 (Nkx2-5) (NM_008700) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nkx2-5
Synonyms:	Csx; Nkx-2.5; Nkx2.5; tinman
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_008700
ORF Size:	954 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227399).
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. <a href="#">More info</a>
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:	<a href="#">NM_008700.2</a> , <a href="#">NP_032726.1</a>
RefSeq Size:	1524 bp
RefSeq ORF:	957 bp
Locus ID:	18091
UniProt ID:	<a href="#">P42582</a>
Cytogenetics:	17 13.6 cM


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**Gene Summary:**

Implicated in commitment to and/or differentiation of the myocardial lineage. Acts as a transcriptional activator of ANF in cooperation with GATA4. Binds to the core DNA motif of NPPA promoter. It is transcriptionally controlled by PBX1 and acts as a transcriptional repressor of CDKN2B. Together with PBX1, it is required for spleen development through a mechanism that involves CDKN2B repression.[UniProtKB/Swiss-Prot Function]