

## Product datasheet for **RC206550L1V**

### **Nkx2.5 (NKX2-5) (NM\_004387) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

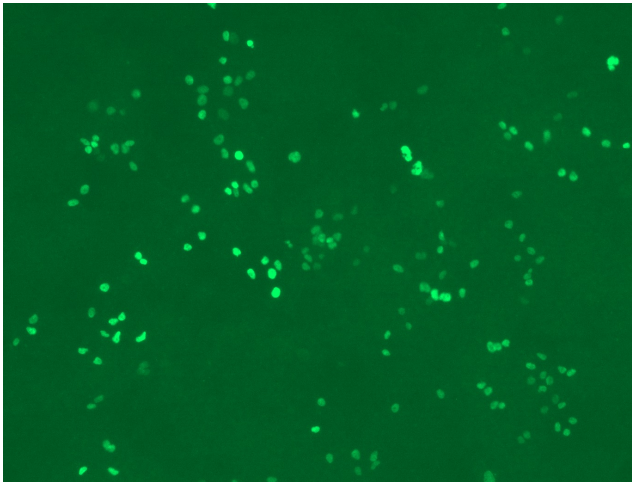
Product Type:	Lentiviral Particles
Product Name:	Nkx2.5 (NKX2-5) (NM_004387) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Nkx2.5
Synonyms:	CHNG5; CSX; CSX1; HLHS2; NKX2.5; NKX2E; NKX4-1; VSD3
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_004387
ORF Size:	972 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206550).
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_004387.2</a>
RefSeq Size:	1669 bp
RefSeq ORF:	975 bp
Locus ID:	1482
UniProt ID:	<a href="#">P52952</a>
Cytogenetics:	5q35.1
Protein Families:	Transcription Factors
MW:	34.9 kDa



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**Gene Summary:**

This gene encodes a homeobox-containing transcription factor. This transcription factor functions in heart formation and development. Mutations in this gene cause atrial septal defect with atrioventricular conduction defect, and also tetralogy of Fallot, which are both heart malformation diseases. Mutations in this gene can also cause congenital hypothyroidism non-goitrous type 5, a non-autoimmune condition. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]

**Product images:**

[RC206550L1] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC206550L1V particle to overexpress human NKX2-5-Myc-DDK fusion protein.