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Product datasheet for RC228051L3V

Nkx2.5 (NKX2-5) (NM_001166175) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nkx2.5 (NKX2-5) (NM_001166175) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Nkx2.5
Synonyms:	CHNG5; CSX; CSX1; HLHS2; NKX2.5; NKX2E; NKX4-1; VSD3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001166175
ORF Size:	336 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC228051).`
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_001166175.1
RefSeq ORF:	339 bp
Locus ID:	1482
UniProt ID:	P52952
Cytogenetics:	5q35.1
Protein Families:	Transcription Factors
MW:	11.5 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]