Product datasheet for RR215611L3V

Pdx1 (NM_022852) Rat Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Pdx1 (NM_022852) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Pdx1
Synonyms:	Idx1; Ipf1; Stf1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_022852
ORF Size:	849 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR215611).
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_022852.3, NP_074043.3
RefSeq Size:	1403 bp
RefSeq ORF:	852 bp
Locus ID:	29535
UniProt ID:	P52947
Cytogenetics:	12p11

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Gene Summary: Activates insulin and somatostatin gene transcription. Key regulator of islet peptide hormone expression but also responsible for the development of the pancreas, most probably by determining maturation and differentiation of common pancreatic precursor cells in the developing gut. As part of a PDX1:PBX1b:MEIS2b complex in pancreatic acinar cells is involved in the transcriptional activation of the ELA1 enhancer; the complex binds to the enhancer B element and cooperates with the transcription factor 1 complex (PTF1) bound to the enhancer A element. Binds the DNA sequence 5'-CC[CT]TAATGGG-3'.[UniProtKB/Swiss-Prot Function]