

## Product datasheet for **RC206921L2V**

### PKNOX2 (NM\_022062) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	PKNOX2 (NM_022062) Human Tagged ORF Clone Lentiviral Particle
Symbol:	PKNOX2
Synonyms:	PREP2
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_022062
ORF Size:	1413 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206921).
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_022062.2</a> , <a href="#">NP_071345.2</a>
RefSeq Size:	3730 bp
RefSeq ORF:	1419 bp
Locus ID:	63876
UniProt ID:	<a href="#">Q96KN3</a>
Cytogenetics:	11q24.2
Protein Families:	Transcription Factors
MW:	51.8 kDa


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**Gene Summary:**

Homeodomain proteins are sequence-specific transcription factors that share a highly conserved DNA-binding domain and play fundamental roles in cell proliferation, differentiation, and death. PKNOX2 belongs to the TALE (3-amino acid loop extension) class of homeodomain proteins characterized by a 3-amino acid extension between alpha helices 1 and 2 within the homeodomain (Imoto et al., 2001 [PubMed 11549286]).[supplied by OMIM, Oct 2009]