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# Product datasheet for RC206921L4V

## 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:** | Puromycin |
| **Vector:** | pLenti-C-mGFP-P2A-Puro (PS100093) |
| **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. 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_022062.2, NP_071345.2 |
| **RefSeq Size:** | 3730 bp |
| **RefSeq ORF:** | 1419 bp |
| **Locus ID:** | 63876 |
| **UniProt ID:** | Q96KN3 |
| **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]