

## Product datasheet for **MR227595L3V**

### **Nppc (NM\_010933) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Nppc (NM_010933) Mouse Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Nppc   |
| Synonyms:                 | C; CNP; lb; lbab   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_010933  |
| ORF Size:                 | 381 bp   |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR227595).   |
| 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_010933.4</a> , <a href="#">NP_035063.1</a>  |
| RefSeq Size:              | 1042 bp  |
| RefSeq ORF:               | 381 bp   |
| Locus ID:                 | 18159  |
| UniProt ID:               | <a href="#">Q61839</a>   |
| Cytogenetics:             | 1 43.98 cM   |



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**Gene Summary:**

This gene encodes a member of the natriuretic peptide family. Natriuretic peptides are involved in the control of blood pressure, extracellular fluid volume and electrolyte homeostasis. The encoded protein also plays a role in sensory neuron bifurcation, and is a critical regulator of endochondral bone growth. The encoded protein is a ligand for the natriuretic peptide receptor B, and is synthesized as a prohormone which is cleaved to produce a mature peptide. Mutations in this gene are associated with dwarfism resulting from impaired endochondral ossification. [provided by RefSeq, Apr 2011]