

## Product datasheet for **RC221932L3V**

### SLC8A3 (NM\_058240) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | SLC8A3 (NM_058240) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | SLC8A3   |
| Synonyms:                 | NCX3   |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_058240  |
| ORF Size:                 | 2772 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC221932).   |
| 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_058240.2</a>  |
| RefSeq Size:              | 5259 bp  |
| RefSeq ORF:               | 2775 bp  |
| Locus ID:                 | 6547   |
| UniProt ID:               | <a href="#">P57103</a>   |
| Cytogenetics:             | 14q24.2  |
| Domains:                  | Calx-beta, Na_Ca_Ex  |
| Protein Families:         | Transmembrane  |



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**Protein Pathways:** Calcium signaling pathway

**MW:** 99.1 kDa

**Gene Summary:** This gene encodes a member of the sodium/calcium exchanger integral membrane protein family. Na<sup>+</sup>/Ca<sup>2+</sup> exchange proteins are involved in maintaining Ca<sup>2+</sup> homeostasis in a wide variety of cell types. The protein is regulated by intracellular calcium ions and is found in both the plasma membrane and intracellular organellar membranes, where exchange of Na<sup>+</sup> for Ca<sup>2+</sup> occurs in an electrogenic manner. Alternative splicing has been observed for this gene and multiple variants have been described. [provided by RefSeq, Aug 2013]