

## Product datasheet for **MR224160L4V**

### **P2rx2 (NM\_001164833) Mouse Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Type:             | Lentiviral Particles                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Product Name:             | P2rx2 (NM_001164833) Mouse Tagged ORF Clone Lentiviral Particle                                                                                                                                                                                                                                                                                                                                                                                    |
| Symbol:                   | P2rx2                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Synonyms:                 | P2x2; P2X2a                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Mammalian Cell Selection: | Puromycin                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tag:                      | mGFP                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| ACCN:                     | NM_001164833                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| ORF Size:                 | 1248 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR224160).                                                                                                                                                                                                                                                                                                                                                                                     |
| 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_001164833.1</a> , <a href="#">NP_001158305.1</a>                                                                                                                                                                                                                                                                                                                                                                                    |
| RefSeq Size:              | 1712 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| RefSeq ORF:               | 1251 bp                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Locus ID:                 | 231602                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| UniProt ID:               | <a href="#">Q8K3P1</a>                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:             | 5 F                                                                                                                                                                                                                                                                                                                                                                                                                                                |



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**Gene Summary:**

Ion channel gated by extracellular ATP involved in a variety of cellular responses, such as excitatory postsynaptic responses in sensory neurons, neuromuscular junctions (NMJ) formation, hearing, perception of taste and peristalsis. In the inner ear, regulates sound transduction and auditory neurotransmission, outer hair cell electromotility, inner ear gap junctions, and K(+) recycling. Mediates synaptic transmission between neurons and from neurons to smooth muscle.[UniProtKB/Swiss-Prot Function]