

## Product datasheet for **MR22332L4V**

### Lrrc8b (NM\_001033550) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                                  |                                           |
|----------------------------------|-------------------------------------------|
| <b>Product Type:</b>             | Lentiviral Particles                      |
| <b>Symbol:</b>                   | Lrrc8b                                    |
| <b>Synonyms:</b>                 | 2210408K08Rik; mKIAA0231; R75581; Ta-Irrp |
| <b>Mammalian Cell Selection:</b> | Puromycin                                 |
| <b>Vector:</b>                   | pLenti-C-mGFP-P2A-Puro (PS100093)         |
| <b>Tag:</b>                      | mGFP                                      |
| <b>ACCN:</b>                     | NM_001033550                              |
| <b>ORF Size:</b>                 | 2409 bp                                   |

**ORF Nucleotide Sequence:** The ORF insert of this clone is exactly the same as(MR223332).

**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.

|                      |                                |
|----------------------|--------------------------------|
| <b>RefSeq:</b>       | <a href="#">NM_001033550.2</a> |
| <b>RefSeq Size:</b>  | 2841 bp                        |
| <b>RefSeq ORF:</b>   | 2412 bp                        |
| <b>Locus ID:</b>     | 433926                         |
| <b>UniProt ID:</b>   | <a href="#">Q5DU41</a>         |
| <b>Cytogenetics:</b> | 5 E5                           |



**Gene Summary:**

Non-essential component of the volume-regulated anion channel (VRAC, also named VSOAC channel), an anion channel required to maintain a constant cell volume in response to extracellular or intracellular osmotic changes. The VRAC channel conducts iodide better than chloride and can also conduct organic osmolytes like taurine. Channel activity requires LRRC8A plus at least one other family member (LRRC8B, LRRC8C, LRRC8D or LRRC8E); channel characteristics depend on the precise subunit composition.[UniProtKB/Swiss-Prot Function]