

## Product datasheet for **MR225560L4V**

### Trpv5 (NM\_001007572) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Trpv5 (NM_001007572) Mouse Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Trpv5  |
| Synonyms:                 | CAT2; D630033B11; ECAC1  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-mGFP-P2A-Puro (PS100093)  |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001007572   |
| ORF Size:                 | 2169 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(MR225560).   |
| 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_001007572.2</a> , <a href="#">NP_001007573.1</a>  |
| RefSeq Size:              | 2601 bp  |
| RefSeq ORF:               | 2172 bp  |
| Locus ID:                 | 194352   |
| UniProt ID:               | <a href="#">P69744</a>   |
| Cytogenetics:             | 6 B2.1   |



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**Gene Summary:**

Constitutively active calcium selective cation channel thought to be involved in Ca(2+) reabsorption in kidney and intestine (PubMed:12077127, PubMed:14679186). Required for normal Ca(2+) reabsorption in the kidney distal convoluted tubules (PubMed:14679186). The channel is activated by low internal calcium level and the current exhibits an inward rectification. A Ca(2+)-dependent feedback regulation includes fast channel inactivation and slow current decay (PubMed:12077127). Heteromeric assembly with TRPV6 seems to modify channel properties. TRPV5-TRPV6 heteromultimeric concatemers exhibit voltage-dependent gating (By similarity).[UniProtKB/Swiss-Prot Function]