

Product datasheet for **MR223700L4V**

Vrk1 (NM_011705) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Vrk1 (NM_011705) Mouse Tagged ORF Clone Lentiviral Particle |
| Symbol: | Vrk1 |
| Synonyms: | 51PK |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_011705 |
| ORF Size: | 1320 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(MR223700). |
| 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. |
| RefSeq: | NM_011705.3 |
| RefSeq Size: | 3796 bp |
| RefSeq ORF: | 1323 bp |
| Locus ID: | 22367 |
| UniProt ID: | Q80X41 |
| Cytogenetics: | 12 E- F1 |



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Gene Summary:

Serine/threonine kinase involved in Golgi disassembly during the cell cycle: following phosphorylation by PLK3 during mitosis, required to induce Golgi fragmentation. Acts by mediating phosphorylation of downstream target protein. Phosphorylates 'Thr-18' of p53/TP53 and may thereby prevent the interaction between p53/TP53 and MDM2. Phosphorylates casein and histone H3. Phosphorylates BANF1: disrupts its ability to bind DNA, reduces its binding to LEM domain-containing proteins and causes its relocalization from the nucleus to the cytoplasm. Phosphorylates ATF2 which activates its transcriptional activity (By similarity).[UniProtKB/Swiss-Prot Function]