

Product datasheet for **RC222580L3V**

MARK4 (NM_031417) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | MARK4 (NM_031417) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | MARK4 |
| Synonyms: | MARK4L; MARK4S; MARKL1; MARKL1L; PAR-1D |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| Tag: | Myc-DDK |
| ACCN: | NM_031417 |
| ORF Size: | 2064 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC222580). |
| 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_031417.2 |
| RefSeq Size: | 4917 bp |
| RefSeq ORF: | 2067 bp |
| Locus ID: | 57787 |
| UniProt ID: | Q96L34 |
| Cytogenetics: | 19q13.32 |
| Protein Families: | Druggable Genome, Protein Kinase |
| MW: | 75.1 kDa |



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Gene Summary:

This gene encodes a member of the microtubule affinity-regulating kinase family. These protein kinases phosphorylate microtubule-associated proteins and regulate the transition between stable and dynamic microtubules. The encoded protein is associated with the centrosome throughout mitosis and may be involved in cell cycle control. Expression of this gene is a potential marker for cancer, and the encoded protein may also play a role in Alzheimer's disease. Pseudogenes of this gene are located on both the short and long arm of chromosome 3. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2010]