

## Product datasheet for **RC211692L1V**

### CIT (NM\_007174) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | CIT (NM_007174) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | CIT  |
| Synonyms:                 | CITK; CRIK; MCPH17; STK21  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_007174  |
| ORF Size:                 | 6081 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC211692).   |
| 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_007174.1</a>  |
| RefSeq Size:              | 8576 bp  |
| RefSeq ORF:               | 6084 bp  |
| Locus ID:                 | 11113  |
| UniProt ID:               | <a href="#">O14578</a>   |
| Cytogenetics:             | 12q24.23   |
| Protein Families:         | Druggable Genome, Protein Kinase   |
| MW:                       | 231.3 kDa  |



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**Gene Summary:**

This gene encodes a serine/threonine-protein kinase that functions in cell division. Together with the kinesin KIF14, this protein localizes to the central spindle and midbody, and functions to promote efficient cytokinesis. This protein is involved in central nervous system development. Polymorphisms in this gene are associated with bipolar disorder and risk for schizophrenia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]