

## Product datasheet for **RC216513L3V**

### Aurora A (AURKA) (NM\_198434) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Aurora A (AURKA) (NM_198434) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Aurora A   |
| Synonyms:                 | AIK; ARK1; AURA; BTAK; PPP1R47; STK6; STK7; STK15  |
| Mammalian Cell Selection: | Puromycin  |
| Vector:                   | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_198434  |
| ORF Size:                 | 1209 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC216513).   |
| 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_198434.1</a>  |
| RefSeq Size:              | 2245 bp  |
| RefSeq ORF:               | 1212 bp  |
| Locus ID:                 | 6790   |
| UniProt ID:               | <a href="#">O14965</a>   |
| Cytogenetics:             | 20q13.2  |
| Protein Families:         | Druggable Genome, Protein Kinase, Stem cell - Pluripotency   |
| Protein Pathways:         | Oocyte meiosis   |



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**MW:** 45.8 kDa

**Gene Summary:** The protein encoded by this gene is a cell cycle-regulated kinase that appears to be involved in microtubule formation and/or stabilization at the spindle pole during chromosome segregation. The encoded protein is found at the centrosome in interphase cells and at the spindle poles in mitosis. This gene may play a role in tumor development and progression. A processed pseudogene of this gene has been found on chromosome 1, and an unprocessed pseudogene has been found on chromosome 10. Multiple transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]