

## Product datasheet for **RC222241L1V**

### Adenylate kinase 5 (AK5) (NM\_174858) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | Adenylate kinase 5 (AK5) (NM_174858) Human Tagged ORF Clone Lentiviral Particle  |
| Symbol:                   | Adenylate kinase 5   |
| Synonyms:                 | AK6  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-Myc-DDK (PS100064)  |
| Tag:                      | Myc-DDK  |
| ACCN:                     | NM_174858  |
| ORF Size:                 | 1686 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC222241).   |
| 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_174858.1</a>  |
| RefSeq Size:              | 3257 bp  |
| RefSeq ORF:               | 1689 bp  |
| Locus ID:                 | 26289  |
| UniProt ID:               | <a href="#">Q9Y6K8</a>   |
| Cytogenetics:             | 1p31.1   |
| Protein Families:         | Druggable Genome   |
| Protein Pathways:         | Metabolic pathways, Purine metabolism  |



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**MW:** 63.2 kDa

**Gene Summary:** This gene encodes a member of the adenylate kinase family, which is involved in regulating the adenine nucleotide composition within a cell by catalyzing the reversible transfer of phosphate groups among adenine nucleotides. This member is related to the UMP/CMP kinase of several species. It is located in the cytosol and expressed exclusively in brain. Alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]