

Product datasheet for **RC215130L1V**

Adenylate Kinase 1 (AK1) (NM_000476) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Adenylate Kinase 1 (AK1) (NM_000476) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | Adenylate Kinase 1 |
| Synonyms: | HTL-S-58j |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-Myc-DDK (PS100064) |
| Tag: | Myc-DDK |
| ACCN: | NM_000476 |
| ORF Size: | 582 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC215130). |
| 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_000476.1 |
| RefSeq Size: | 2271 bp |
| RefSeq ORF: | 585 bp |
| Locus ID: | 203 |
| UniProt ID: | P00568 |
| Cytogenetics: | 9q34.11 |
| Domains: | ADK |
| Protein Families: | Druggable Genome |



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Protein Pathways: Metabolic pathways, Purine metabolism

MW: 21.5 kDa

Gene Summary: This gene encodes an adenylate kinase enzyme involved in energy metabolism and homeostasis of cellular adenine nucleotide ratios in different intracellular compartments. This gene is highly expressed in skeletal muscle, brain and erythrocytes. Certain mutations in this gene resulting in a functionally inadequate enzyme are associated with a rare genetic disorder causing nonspherocytic hemolytic anemia. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2015]