

Product datasheet for **RC215366L4V**

ACK1 (TNK2) (NM_001010938) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | ACK1 (TNK2) (NM_001010938) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | TNK2 |
| Synonyms: | ACK; ACK-1; ACK1; p21cdc42Hs |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001010938 |
| ORF Size: | 3258 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC215366). |
| 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_001010938.1 , NP_001010938.1 |
| RefSeq Size: | 4222 bp |
| RefSeq ORF: | 3144 bp |
| Locus ID: | 10188 |
| UniProt ID: | Q07912 |
| Cytogenetics: | 3q29 |
| Protein Families: | Druggable Genome, Protein Kinase |
| MW: | 119.35 kDa |



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Gene Summary:

This gene encodes a tyrosine kinase that binds Cdc42Hs in its GTP-bound form and inhibits both the intrinsic and GTPase-activating protein (GAP)-stimulated GTPase activity of Cdc42Hs. This binding is mediated by a unique sequence of 47 amino acids C-terminal to an SH3 domain. The protein may be involved in a regulatory mechanism that sustains the GTP-bound active form of Cdc42Hs and which is directly linked to a tyrosine phosphorylation signal transduction pathway. Several alternatively spliced transcript variants have been identified from this gene, but the full-length nature of only two transcript variants has been determined. [provided by RefSeq, Jul 2008]