

## Product datasheet for **RC202435L2V**

### CSNK2A2 (NM\_001896) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Lentiviral Particles   |
| Product Name:             | CSNK2A2 (NM_001896) Human Tagged ORF Clone Lentiviral Particle   |
| Symbol:                   | CSNK2A2  |
| Synonyms:                 | CK2A2; CK2alpha'; CSNK2A1  |
| Mammalian Cell Selection: | None   |
| Vector:                   | pLenti-C-mGFP (PS100071)   |
| Tag:                      | mGFP   |
| ACCN:                     | NM_001896  |
| ORF Size:                 | 1050 bp  |
| ORF Nucleotide Sequence:  | The ORF insert of this clone is exactly the same as(RC202435).   |
| 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_001896.2</a>  |
| RefSeq Size:              | 1674 bp  |
| RefSeq ORF:               | 1053 bp  |
| Locus ID:                 | 1459   |
| UniProt ID:               | <a href="#">P19784</a>   |
| Cytogenetics:             | 16q21  |
| Domains:                  | pkinese, TyrKc, S_TKc  |
| Protein Families:         | Druggable Genome, Protein Kinase   |



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**Protein Pathways:** Adherens junction, Tight junction, Wnt signaling pathway

**MW:** 41.2 kDa

**Gene Summary:** This gene encodes the alpha', or alpha 2, catalytic subunit of the protein kinase enzyme, casein kinase 2 (CK2). Casein kinase 2 is a serine/threonine protein kinase that phosphorylates acidic proteins such as casein. It is involved in various cellular processes, including cell cycle control, apoptosis, and circadian rhythms. This heterotetrameric kinase includes two catalytic subunits, either alpha or alpha', and two regulatory beta subunits. The closely related gene paralog encoding the alpha, or alpha 1 subunit (CSNK2A1, Gene ID: 1457) is found on chromosome 20. An intronic variant in this gene (alpha 2) may be associated with leukocyte telomere length in a South Asian population. A related transcribed pseudogene is found on chromosome 11. [provided by RefSeq, Aug 2017]