

Product datasheet for RC202435L3

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CSNK2A2 (NM_001896) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: CSNK2A2 (NM_001896) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: CSNK2A2

Synonyms: CK2A2; CK2alpha'; CSNK2A1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC202435).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001896

ORF Size: 1050 bp





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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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001896.2</u>

RefSeq Size:1674 bpRefSeq ORF:1053 bpLocus ID:1459

 UniProt ID:
 P19784

 Cytogenetics:
 16q21

Domains: pkinase, TyrKc, S TKc

Protein Families: Druggable Genome, Protein Kinase

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,

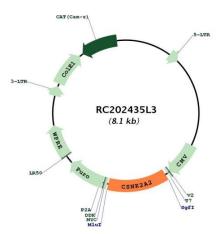
casein kinase 2 (CK2). Casein kinase 2 is a serine/threonine protein kinase that

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]



Product images:



Circular map for RC202435L3