

Product datasheet for RC218180L3

OriGene Technologies, Inc.

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Aurora C (AURKC) (NM_003160) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Aurora C (AURKC) (NM_003160) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: Aurora C

Synonyms: AIE2; AIK3; ARK3; AurC; aurora-C; HEL-S-90; SPGF5; STK13

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(RC218180).

Sequence:

ites: Sgfl-Mlul

Restriction Sites: Cloning Scheme:



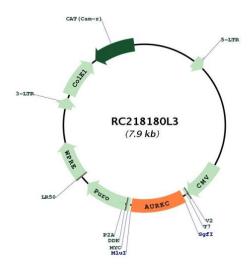


st The last codon before the Stop codon of the ORF.





Plasmid Map:



ACCN: NM_003160

ORF Size: 825 bp

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 003160.2</u>

RefSeq Size: 1125 bp RefSeq ORF: 828 bp



Aurora C (AURKC) (NM_003160) Human Tagged Lenti ORF Clone - RC218180L3

Locus ID: 6795

UniProt ID: Q9UQB9
Cytogenetics: 19q13.43

Domains: pkinase, TyrKc, S_TKc

Protein Families: Druggable Genome, Protein Kinase

MW: 32 kDa

Gene Summary: This gene encodes a member of the Aurora subfamily of serine/threonine protein kinases.

The encoded protein is a chromosomal passenger protein that forms complexes with Aurora-B and inner centromere proteins and may play a role in organizing microtubules in relation to centrosome/spindle function during mitosis. This gene is overexpressed in several cancer cell lines, suggesting an involvement in oncogenic signal transduction. Alternative splicing results

in multiple transcript variants. [provided by RefSeq, Jul 2008]