

# **Product datasheet for RC219478L3**

### OriGene Technologies, Inc.

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## NCKAP5L (NM\_001037806) Human Tagged Lenti ORF Clone

### **Product data:**

**Product Type:** Expression Plasmids

Product Name: NCKAP5L (NM\_001037806) Human Tagged Lenti ORF Clone

Tag: Myc-DDK
Symbol: NCKAP5L

Synonyms: Cep169; FP1193; KIAA1602

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(RC219478).

Sgfl-Mlul

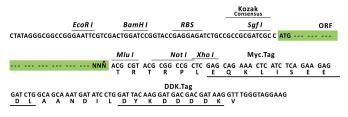
Sequence:

Restriction Sites: Cloning Scheme:

Cloning sites used for ORF Shuttling:

Sgf 1 ORF Mlu I

GGG ATC GC ATG ---//--- NNN ACG CGT ---



 $<sup>\</sup>ensuremath{^*}$  The last codon before the Stop codon of the ORF.

ACCN: NM\_001037806

ORF Size: 324 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.

12q13.12

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 001037806.1</u>

 RefSeq Size:
 4918 bp

 RefSeq ORF:
 4005 bp

 Locus ID:
 57701

 UniProt ID:
 Q9HCH0

MW: 11.2 kDa

Cytogenetics:

**Gene Summary:** Regulates microtubule organization and stabilization. Promotes microtubule growth and

bundling formation and stabilizes microtubules by increasing intense acetylation of

microtubules (PubMed:26482847, PubMed:26485573). Both tubulin-binding and homodimer

formation are required for NCKAP5L-mediated microtubule bundle formation

(PubMed:26485573).[UniProtKB/Swiss-Prot Function]