

## Product datasheet for RC202406L4

#### 9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

OriGene Technologies, Inc.

### UCK2 (NM\_012474) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: UCK2 (NM 012474) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: UCK2

Synonyms: TSA903; UK; UMPK

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC202406).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_012474

ORF Size: 783 bp



#### UCK2 (NM\_012474) Human Tagged Lenti ORF Clone - RC202406L4

**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 012474.3</u>

RefSeq Size: 4940 bp
RefSeq ORF: 786 bp
Locus ID: 7371

UniProt ID: Q9BZX2

Cytogenetics: 1q24.1

Domains:

Protein Families: Druggable Genome

PRK

**Protein Pathways:** Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism

MW: 29.3 kDa

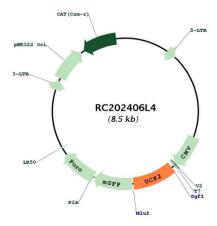
**Gene Summary:** This gene encodes a pyrimidine ribonucleoside kinase. The encoded protein (EC 2.7.1.48)

catalyzes phosphorylation of uridine and cytidine to uridine monophosphate (UMP) and

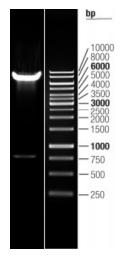
cytidine monophosphate (CMP), respectively.[provided by RefSeq, Oct 2010]



# **Product images:**



Circular map for RC202406L4



Double digestion of RC202406L4 using Sgfl and Mlul  $\,$