

# Product datasheet for RC200734L2

### OriGene Technologies, Inc.

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## KPC2 (UBAC1) (NM\_016172) Human Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

Product Name: KPC2 (UBAC1) (NM\_016172) Human Tagged Lenti ORF Clone

Tag: mGFP Symbol: KPC2

Synonyms: GBDR1; KPC2; UBADC1

Mammalian Cell None

Selection:

Vector:pLenti-C-mGFP (PS100071)E. coli Selection:Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC200734).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_016172

ORF Size: 1215 bp



## KPC2 (UBAC1) (NM\_016172) Human Tagged Lenti ORF Clone - RC200734L2

**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 016172.2</u>, <u>NP 057256.2</u>

RefSeq Size: 1877 bp
RefSeq ORF: 1218 bp
Locus ID: 10422
UniProt ID: Q9BSL1
Cytogenetics: 9q34.3

Domains: UBA, STI1

**Protein Families:** Druggable Genome

MW: 45.3 kDa

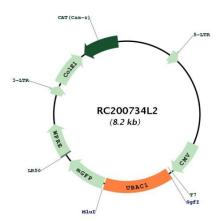
**Gene Summary:** Non-catalytic subunit of the KPC complex that acts as E3 ubiquitin-protein ligase. Required for

poly-ubiquitination and proteasome-mediated degradation of CDKN1B during G1 phase of

the cell cycle.[UniProtKB/Swiss-Prot Function]



# **Product images:**



Circular map for RC200734L2