

## Product datasheet for RC200406L3

## OriGene Technologies, Inc.

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## Uridine Phosphorylase 1 (UPP1) (NM\_003364) Human Tagged Lenti ORF Clone

**Product data:** 

**Product Type:** Expression Plasmids

Product Name: Uridine Phosphorylase 1 (UPP1) (NM\_003364) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Uridine Phosphorylase 1

Synonyms: UDRPASE; UP; UPASE; UPP

Mammalian Cell

Selection:

Puromycin

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

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

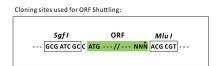
ORF Nucleotide The 0

Sequence:

The ORF insert of this clone is exactly the same as(RC200406).

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_003364

ORF Size: 930 bp



## Uridine Phosphorylase 1 (UPP1) (NM\_003364) Human Tagged Lenti ORF Clone - RC200406L3

**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 003364.2</u>

**RefSeq Size:** 1733 bp

RefSeq ORF: 933 bp

**Locus ID:** 7378

UniProt ID: Q16831

Cytogenetics: 7p12.3

**Domains:** PNP\_UDP\_1

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

**MW:** 33.9 kDa

**Gene Summary:** This gene encodes a uridine phosphorylase, an enzyme that catalyzes the reversible

phosphorylation of uridine (or 2'- deoxyuridine) to uracil and ribose-1-phosphate (or

deoxyribose-1-phosphate). The encoded enzyme functions in the degradation and salvage of

pyrimidine ribonucleosides. [provided by RefSeq, Oct 2016]