

## Product datasheet for **RG236271**

### Uridine Phosphorylase 1 (UPP1) (NM\_001287428) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Uridine Phosphorylase 1 (UPP1) (NM\_001287428) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** UPP1  
**Synonyms:** UDRPASE; UP; UPASE; UPP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG236271 representing NM\_001287428.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCAGAGAAAGCTGAAAGTCACAAGTCTGGAGCCCGGCACTGTGGTCATAACAGAGCAGGCAGTGGAT
ACCTGCTTCAAGGCAGAGTTTGAGCAGATTGTCCTGGGAAGCGGGTCATCCGAAAACGGACCTTAAC
AAGAAGCTGGTGCAGGAGCTGTTGCTGTGTTCTGCAGAGCTGAGCGAGTTCACCACAGTGGTGGGAAC
ACCATGTGCACCTTGGACTTCTATGAAGGGCAAGCCGCTCTGGATGGGGCTCTGCTCCTACACGGAG
AAGGACAAGCAGGCGTATCTGGAGGCAGCCTATGCAGCCGGCGTCCGCAATATCGAGATGGAGTCCCTG
GTGTTTGCCGCCATGTGCAGCGCCTGCCGCTCCAAGCGCCGTGGTGTGTGTCCACCTCCTGAACCGC
CTGGAAGGGGACCAGATCAGCAGCCCTCGCAATGTGCTCAGCGAGTACCAGCAGAGGCCGACGCGGCTG
GTGAGCTACTTCAAGAAGAACTGAGCAAGGCC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236271  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MQRKLVTSLEPGTVVITEQAVDTCFKAEFEQIVLGRVIRKTDLNKKLVQELLLCSAELSEFTTVVGN
TMCTLDFYEGQGRLDGLCSYTEKDKQAYLEAAYAAGVRNIEMESSVFAAMCSACGLQAAVVCVTLNLR
LEGDQISSPRNVLSEYQRPQRLVSYFIKKLSKA
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** Sgfl-MluI

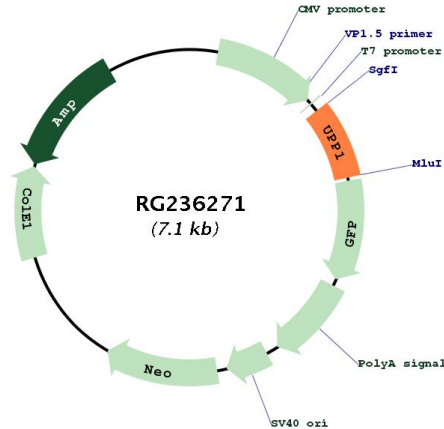


[View online »](#)

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001287428

ORF Size: 519 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.

<b>Components:</b>	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).
<b>RefSeq:</b>	<a href="#">NM_001287428.1</a> , <a href="#">NP_001274357.1</a>
<b>RefSeq Size:</b>	1587 bp
<b>RefSeq ORF:</b>	522 bp
<b>Locus ID:</b>	7378
<b>UniProt ID:</b>	<a href="#">Q16831</a>
<b>Cytogenetics:</b>	7p12.3
<b>Protein Pathways:</b>	Drug metabolism - other enzymes, Metabolic pathways, Pyrimidine metabolism
<b>MW:</b>	19.7 kDa
<b>Gene Summary:</b>	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]