

## Product datasheet for RN212429

### Uck2 (NM\_001102408) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Uck2 (NM_001102408) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Uck2
Synonyms:	Umpk
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN212429 representing NM_001102408 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCGGGGACAGCGAGCAGACCCTGCAGAACCACCAGCAGCCCAACGGCGGCGAGCCCTTCTGATCG  
GCGTGAGCGGGGCACGGCCAGCGGAAGTCTTCCGTGTGTGCTAAGATCGTCCAGCTTCTGGGGCAGAA  
TGAGGTGGATTACCACCAGAAGCAGGTGGTCATCCTGAGCCAGGATAGCTTCTACCGAGTCCCTCACTTCA  
GAGCAGAAGGCCAAAGCCCTGAAGGGCCAATCAACTTCGATCACCCGGATGCCTTTGACAACGAACTGA  
TCTTCAAACACTCAAAGAAATCACCGAAGGAAAAACAGTTCAGATCCCTGTGTATGACTTCGTCTCCCA  
CTCACGAAAGAGGAGACAGTCACCATCTACCCGCAGATGTGGTGCTCTTTGAAGGGATCTAGCCTTC  
TATTTCCAGGAGTCCGAGACCTGTTCCAGATGAAGCTTTTCGTGGACCCGATGCAGATACCCGCTGT  
CTCGCAGAGTTTTGAGGGACATCAGTGAAGAGGGAGGGACCTTGAGCAGATTTTATCTCAGTACATTAC  
ATTCGTGAAACCTGCCTTCGAGGAGTTCGCTTGCCAAAGTTGGAGCTTAGACCAGTTCTTTTGGGAAGA  
TCTTTTGGGAAGGGTGTGGCCATCAACCTCATCGTGCAGCATATACAGGACATCTGAACGGCGGGCTCT  
CCAAGCGGCAGACGAACGGCTATCTCAACGGCTATACCCCTTCCCGCAAGAGGCAGGCGTCAGAGTCCAG  
CAGCCGGCCACAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001102408
Insert Size:	786 bp



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<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>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001102408.1</a></u> , <u><a href="#">NP_001095878.1</a></u>
<b>RefSeq Size:</b>	1575 bp
<b>RefSeq ORF:</b>	786 bp
<b>Locus ID:</b>	304944
<b>Cytogenetics:</b>	13q24
<b>Gene Summary:</b>	rate-limiting enzyme of the salvage pathway in pyrimidine synthesis; converts uridine into uridine-59-mono-phosphate in the presence of ATP; may play a role in nerve regeneration and maturation [RGD, Feb 2006]