

## Product datasheet for MR217349

### Upk2 (NM\_009476) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Upk2 (NM\_009476) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Upk2  
**Synonyms:** AW491716; UPII  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR217349 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCATCCACACTGCCTGTCCAGACCTTGCCCTGATCCTGATTCTGCTGGCTGTCTGGCTCCGGGA  
 CTGCAGACTTCAACATCTCAAGCCTCTCTGGTCTGCTGTCTCCGGCGCTAACAGAAAGCCTGTTAATTGC  
 CTTGCCCCATGTCACCTCACGGGAGGTAATGCCACATTGATGGTCCGGAGACCAACGACAGCAAAGTG  
 GTTAAGTCAGACTTTGTGGTGCCTCCATGTCGCGGGCGCAGGGAGCTTGTGAGCGTGGTGGACAGTGGGT  
 CTGGCTACACCGTCACAAGGCTCAGCGCATATCAGGTGACAAACCTAACACCAGGAACCAATACTACAT  
 ATCCTACCGAGTACAGAAGGGGACGTCGACCGAGTCCAGTCCAGAGACTCCCATGTCCACGCTTCCTCGA  
 AAAAATGAGTCTATTGGGTTAGGAATGGCCCGGACAGGAGGGATGGTGGTCATCACAGTGTCTGTCT  
 CTGTGGCCATGTTCTGTTGGTCTGGTCTTATTGTTGCCCTGGCACTGGGTGCCCGCAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR217349 protein sequence  
 Red=Cloning site Green=Tags(s)

MASTLPVQTLPLILILLAVLAPGTADFNISLSGLLSPALTESLLIALPPCHLTGGNATLMVRRANDSKV  
 VKSDFVPPCRGRRELVSVVDSGSGYTVTRL SAYQVTNLTPGTYKYYISYRVQKGTSTESSPETPMSTLPR  
 KNMESIGLMARTGGMVVITVLLSVAMFLLVVGLIVALALGARK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI



Cloning Scheme:



ACCN: NM\_009476

ORF Size: 555 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.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM\\_009476.1](#), [NM\\_009476.2](#), [NP\\_033502.2](#)

RefSeq Size: 890 bp

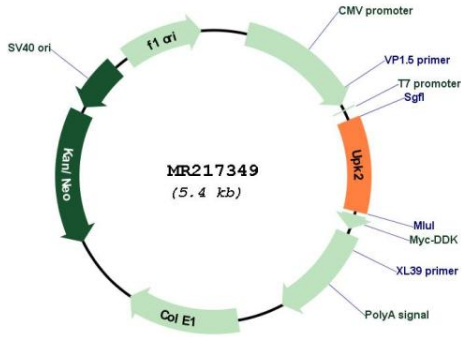
RefSeq ORF: 555 bp

Locus ID: 22269

Cytogenetics: 9 24.84 cM

MW: 19.4 kDa

**Product images:**



Circular map for MR217349