

## Product datasheet for MC212059

### Upk3b (NM\_175309) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Upk3b (NM\_175309) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Upk3b  
**Synonyms:** AI447729; AI957187; P35; PMS2L14; UpIIIb  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212059 representing NM\_175309  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGTGCGAACCGGTGGCAGCCTCACCTCCGCCGCCCTGCTTCTCCTGGTGCTCGTGTGGCTCCCC  
 AAAGCCTGAGTCTAGACCTGATTGCCTACGTGCCGAGATAACAGCCTGGACCTGGAAGGAAGATCAC  
 AGCCACTACATTTCTCTGGAGCAGCCTCGGTGCGTCTTTGATGAGCATGTCTCAACTAAGGACACCATC  
 TGGCTAGTGGTGGCTTTAGCAATGCCTCCAGGACTTTCAGAACCACAGACTGCTGCTAAGATCCCGA  
 CCTTCCACAGCTGCTGACTGACGGCCACTATATGACATTACCCTGTCCCTGGATCAGCTGCCATGTGA  
 GGACCTGACCGGTGGCAGTGGAGGTGTCCCCGTGCTTCGGGTGGGCAATGATTTTGGCTGTTACCAGCGA  
 CCCTATTGCAACGCCCCCTCCCGAGCCAGGGCCCTTACAGTGTGAAGTTCCTTGTAAATGGATGCCGCCG  
 GCCACCCAAGGCTGAGACGAAGTGGTCCAACCCATTATCTCCACCAAGGAAAGAATCCCAACTCCAT  
 TGACACATGGCCTGGCCGACGGAGCGGCTGTATGATCGTCATAACTTCCATCCTCTGCCCTGGCCGGC  
 CTCTTGCTCCTGGCTTTCCTGGCAGCTTCCACTACGCGTTTCTCCAGCCTGTGGTGGCCCGAGGAAGCTC  
 CTGAGCAGCTGCGGATTGGCTCCTTCATGGGAAAACGTTACATGACTCACCATATCCCCCCAGCGAAGC  
 TGCCACACTGCCGGTGGGCTGCCAGCCTGGCCTGGACCCCTTCCAGTCTCAGCCCGTAG

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII  
**ACCN:** NM\_175309  
**Insert Size:** 831 bp



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**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

**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:** [NM\\_175309.4](#), [NP\\_780518.1](#)

**RefSeq Size:** 2036 bp

**RefSeq ORF:** 831 bp

**Locus ID:** 100647

**UniProt ID:** [Q80YF6](#)

**Cytogenetics:** 5 G2

**Gene Summary:** Component of the asymmetric unit membrane (AUM); a highly specialized biomembrane elaborated by terminally differentiated urothelial cells. May play an important role in AUM-cytoskeleton interaction in terminally differentiated urothelial cells. It also contributes to the formation of urothelial glycocalyx which may play an important role in preventing bacterial adherence (By similarity).[UniProtKB/Swiss-Prot Function]