

## Product datasheet for **MC221587**

### Utp14b (NM\_001001981) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Utp14b (NM_001001981) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Utp14b
Synonyms:	4932411L21Rik; jsd
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221587 representing NM\_001001981  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAAGCCAAAGATGAGACCAGATCCTTCTTCAAGAGCTAACAGGCCCTGTGAGAAGAAGGAGGCTGCTA  
 CCATGAACATGGCCAGGAATGTGACAGACCTTCTGGCTTTGAGCCAGCAGGAAGAACTAGTGGATTTGCC  
 AGAAAACATCCACTGAGTACGAGTGAAGATGAGGGGGACAGTGTGAGAAGGAAAACTCAAAAACTT  
 CTGGAAGCAGTCAGTTCCCTTGGTAGAAAATAAATGGAAGTTGGCAGAGAGATCTGAGGCTAGTCGGA  
 TGGTTTCAGAGTTCAATGTCACCTTCTGAAGGATCAGGTGAAAAGCTGGTCTTTCCGATTTGCTTGGGTC  
 TGCTACAGCATTATCTTCGGTGGCTGCTGTGAAAAACAGCTGCATAGAGTCAAGTCAAAGACGCTCACC  
 CCACCCCTTAACAAAGAAGAGGCTGACCGAGCCCTCAGGGAAGCAGCATTAGCAAAACCTCACAAATGC  
 TCTCCAGGTGGGATCCGGTGGTTCTGAAGAACCGGCAGGCAGAGCAGTTGATTTTTCCCATGGAGAAGGA  
 GCCGCCAGCGGTTGCACCCATTGAACATGTTTTACTGACTGGAAGTAAGAACCCTCTGGAACGAGAA  
 GTTTTTAACCTTCTTCATAAGAACAAGCAGCCAGTAACAGACCCTTTATTGACTCCCGTGGAAACAGCCT  
 CCATCAGAGCCATGAGCCTGGAAGAAGCCAAGATACGCCGAGCAGAGCTTCAAGAGACGCGAGCTTACA  
 GTCCTATTATGAGGCTAGAGCTCGAAGAGAGAAGAAATCAAGAGTAAGAAGTATCACAGAGCTCTAAAG  
 AAAGGAAAGGCCAAGAAAGCCTTAAAAGAGTTTGAAGAGCTGTGGAAAGACTGCCAAATGTCTGCATTGC  
 AAGAACTGGAGAAAATGGAAAAGGCCAGAATGACAGAACGGATGAGCCTTAAGCACCAGGGCAGTGGGAA  
 ATGGGCAAAGTCAAAGGCAATATGGCCAAATATGACCCTGAGGCTCGAAAAGCTATGCAAGAACAATTG  
 GCTAAGAACAGAGAAGTACACAGAAAACCCAGGTAGTTTCAGAGAGTGAAGGAGGACGGATGCACAG  
 AAGAGGGAAATGTCTCTGTCTCCATGGAATGGATGACCTACAGATGAATGCAGATGGTGTAAATCCCTG  
 GATGCTTAGCAGTTGCAACAGCAATGCAAAGCGGGTGAGATCAAGACCGATCCTGAACAGATGCCTGAG  
 TTTGTGGCCCATGTCTCTGAGAGTGAAGGAGATGAAAGACCAGTGGCAGAAGAACTTGTGTTAAAAAG  
 AAAGATCCTTTCAAGAAAGAGTTGATCCCAACAATGCTAAGCTAATGGATGGCCAAGAAACAGAAGACTC  
 TGATAGCCAGGAGGTATTACAGAAACTCAACAAGGAAAGTCAATCTGACAATCAAAAAGTGAGTTCA  
 GAGGAAAATGTTCTCCATATCCAGAGAGAGGACCTTGCCTCAGAGAAGTTGTTGGTGCTTCAAAGGCTAG  
 AGAGAGCAGATGTTCTGGAACAACAAGGAGAGTTGAGCAAAGAAGAACATTATCCAAAAAAGGGCTTTC  
 CAGACCTTTGTTGAAAGGGGATTGGAAGGAGATGAAGCCACTCACCAACCCTGATGCCTCTGGAGGGAAG  
 AAAAAGAAGGAACAAATGATTGATCTACGGAACCTCCTAACTGCTAACTCATCTCTGTGAGGTCTTTGG  
 CTGTGCCCAATACAGCAGTTAGAAGATGAAGTGGAGACCGATCACAAGCAGCTAATAAGGGAAGCTTT  
 TGCTGGGGATGATGTCATAAGAGAGTTCTTAAAAGAGAAGAGGGAAGCTATAGAGACAAATAAACCAAAG  
 GACTTGGACCTGTATTGCCTGGATGGGGTGAGTGGGTTGGTATGGGCCTGAAGCCAGCGCCAAGAAAA  
 GACGCCGTTTTCTTATTAAGACTCCTGAGAGTTCTCCAAGAAAAGACAAGAAATTTGCCGAATGTGATTAT  
 CAGTGAGAAGCGCAACATCCATGCAGCTGCTCATCAGGTGCGGGCGCTTCCACACCCATTACCCACCAG  
 CAGCAGTTTGAAGGACTATCCAAAACCCTATTGGGTACATGTGGAACACCCAGAGGACCTTCCAAAAGC  
 TGACAGTTCCCAAGGTTGGCACCAGCTAGGCCATATCATTAAAGCCATAAAAAGCAGAAAATGTAGGTA  
 CTGCTCTTCCACAAGGTTGACCTCTATCCTACAGAGCAGTCAGAAGTGCCTCTCCAGAAAACAGCAA  
 AAACAACGAAGAAGTTGAGCTCTGCAGAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_001001981  
**Insert Size:** 2343 bp

<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_001001981.3</a></u> , <u><a href="#">NP_001001981.2</a></u>
<b>RefSeq Size:</b>	3695 bp
<b>RefSeq ORF:</b>	2343 bp
<b>Locus ID:</b>	195434
<b>UniProt ID:</b>	<u><a href="#">Q6EJB6</a></u>
<b>Cytogenetics:</b>	1 40.84 cM
<b>Gene Summary:</b>	Essential for spermatogenesis. May be required specifically for ribosome biogenesis and hence protein synthesis during male meiosis.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.