

## Product datasheet for MC227442

### Fetub (NM\_001083905) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fetub (NM\_001083905) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Fetub  
**Synonyms:** 2310011O17Rik; AI255764; D17980; Gugu  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227442 representing NM\_001083905  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGGCCTGCTCCGACTTCTGGTCTCTGCACCCTGGCTGCATGCTGCATGGCCCGCTCTCCCCAGCCC  
 CACCCCTGCCACAACGCCCTCTCACCTCTGCATCCTCTGGGCTGTAACTGCTGAAGTCTGGCAGT  
 TGCAGGATTTGCCCTGCAGAACATCAACAGAGACCAAAAGGATGGCTATATGTTGAGCCTAACAGAGTG  
 CATGATGTTCCGGAGCACTACCAGGAAGACATGGGATCTCTGTTCTACCTCACATTGGATGCTTAGAGA  
 CTGACTGCCACGTGCTCAGCAGGAAGGCACAGAAGGACTGCAAACCGAGGATGTTCTATGAGTCGGTTTA  
 TGGCCAGTGCAAAGCAATGTTTCACATTAACAAGCCAAGAAGAGTTCTCTACTTACCTGCTTATACTGT  
 ACACCTCGCCAGTTTCCAAAAGAAAGACTCATACAACGTGCCCTGACTGCCCTAGCCCCATTGACTTGT  
 CAAACCCAGTGCTCTGGAAGCTGCCACGGAGTCGCTTGCAAAGTTCAACAGTAAGAGCCCTCAAAAA  
 GTATGAACCTCGTCAAAGTCACCAAGGCTATGAACCAAGTGGGTGTCTGGCCCTGCTTACTATGTGGAATAT  
 TTGATCAAAGAGGCACCATGTACCAAATCCCAGGCCAGCTGTTGCTCCAGCACTGACTCTGAGCCCCG  
 TTGGTATTGCCAAGTTCTACGGTCCAAGTTCTCTGAGGCAGTTCCCTGATCCAACCCGTAGAAAA  
 GTCTGTCACTGTGACTTGTGAGTTCTTCGAATCTCAGGCTCAGGTCCTGGAGATGAGAACCCTGCTGTT  
 ACCCAGGGCCCTCAGAACTCCCTCAGAAAAACCGGCCCTACCAGCTCCCCCTCCGTAACCTGCACCAA  
 GAGGATCCATCCAGCACCTCCCCGAAGTGGATGATGAGAAGCCCGAGGAGTCCAAGGGAGGGAGCCCTGA  
 GGAAGCCTTCTGTGCAGCTGGATCTAACCAATCCCAGGGGGACACACTAGATGTCTCCTCCTG  
 TACCTGGAGCCTGGGACAAGAAGCTGGTGGTGTGCCTTCCCTGGAAAGGAACAGCGCTCCGCCGAGT  
 GCCCAGGGCCCGAGAAGGAGAACAACCCCTGTTCTCCACCC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI



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<b>ACCN:</b>	NM_001083905
<b>Insert Size:</b>	1167 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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_001083905.1</a></u> , <u><a href="#">NP_001077374.1</a></u>
<b>RefSeq Size:</b>	1535 bp
<b>RefSeq ORF:</b>	1167 bp
<b>Locus ID:</b>	59083
<b>UniProt ID:</b>	<u><a href="#">Q9QXC1</a></u>
<b>Cytogenetics:</b>	16 13.76 cM
<b>Gene Summary:</b>	<p>Protease inhibitor required for egg fertilization. Required to prevent premature zona pellucida hardening before fertilization, probably by inhibiting the protease activity of ASTL, a protease that mediates the cleavage of ZP2 and triggers zona pellucida hardening. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR compared to variant 1. Variants 1 and 3 encode the same protein (isoform 1).</p>