

## Product datasheet for MR222022

### Fetub (NM\_001083904) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Fetub (NM\_001083904) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Fetub  
**Synonyms:** 2310011O17Rik; AI255764; D17980; Gugu  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR222022 representing NM\_001083904  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGGATCTCTGTCTACCTCACATTGGATGTCTTAGAGACTGACTGCCACGTGCTCAGCAGGAAGGCAC  
AGAAGGACTGCAAACCGAGGATGTTCTATGAGTCGGTTTATGGCCAGTGCAAAGCAATGTTTCACATTAA  
CAAGCCAAGAAGAGTTCTCTACTTACCTGCTTATAACTGTACACTCGCCAGTTTCCAAAAGAAAGACT  
CATACAACGTGCCCTGACTGCCCTAGCCCCATTGACTTGCAAACCCAGTGCTCTGGAAGCTGCCACGG  
AGTCGCTTGCAAAGTTCAACAGTAAGAGCCCCTCAAAAAAGTATGAACTCGTCAAAGTCACCAAGGCTAT  
GAACCAAGTGGGTGCTGGCCCTGCTTACTATGTGGAATATTTGATCAAAGAGGCACCATGTACCAAATCC  
CAGGCCAGCTGTTTCGCTCCAGCACTCTGACTCTGAGCCCGTTGGTATTTGCCAAGGTTCTACGGTCCAAA  
GTTCTCTGAGGCACGTTCTCTGATCCAACCCGTAGAAAAGTCTGTCACCTGTGACTTGTGAGTTCTCGA  
ATCTCAGGCTCAGGTCCTGGAGATGAGAACCCTGCTGTTACCCAGGGCCCTCAGAACTCCCTCAGAAA  
AACACGGCCCTACCAGCTCCCCCTCCGTAACGCACCAAGAGGATCCATCCAGCACCTCCCCGAAGTGG  
ATGATGAGAAGCCCGAGGAGTCCAAGGGAGGCCCTGAGGAAGCCTTCTCTGTGCAGCTGGATCTAAC  
CACCAATCCCCAGGGGGACACACTAGATGTCTCCTTCTGTACCTGGAGCCTGGGGACAAGAAGCTGGTG  
GTGCTGCCTTTCCCTGGAAGGAACAGCGCTCCGCCGAGTGCCAGGGCCCGAGAAGGAGAACAACCCCT  
TGGTTCTCCACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_001083904.1</a> , <a href="#">NP_001077373.1</a>
<b>RefSeq Size:</b>	1365 bp
<b>RefSeq ORF:</b>	927 bp
<b>Locus ID:</b>	59083
<b>UniProt ID:</b>	<a href="#">Q9QXC1</a>
<b>Cytogenetics:</b>	16 13.76 cM
<b>MW:</b>	34.3 kDa
<b>Gene Summary:</b>	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]