

Product datasheet for **MR206065**

Fetub (NM_021564) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fetub (NM_021564) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Fetub
Synonyms: 2310011O17Rik; AI255764; D17980; Gugu
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR206065 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGCCTGCTCCGACTTCTGGTCTCTGCACCCTGGCTGCATGCTGCATGGCCCGCTCTCCCCAGCCC
CACCCCTGCCACAACGCCCTCTCACCTCTGCATCCTCTGGGCTGTAACGACTCTGAAGTCTGGCAGT
TGCAGGATTTGCCCTGCAGAACATCAACAGAGACCAAAAGGATGGCTATATGTTGAGCCTAACAGAGTG
CATGATGTTCCGGAGCACTACCAGGAAGACATGGGATCTCTGTTCTACCTCACATTGGATGTCTTAGAGA
CTGACTGCCACGTGCTCAGCAGGAAGGCACAGAAGGACTGCAAACCGAGGATGTTCTATGAGTCGGTTTA
TGGCCAGTGCAAAGCAATGTTTCACATTAACAAGCCAAGAAGAGTTCTCTACTTACCTGCTTATAACTGT
ACACTTCGCCAGTTTCCAAAAGAAAGACTCATACAACGTGCCCTGACTGCCCTAGCCCCATTGACTTGT
CAAACCCAGTGCTCTGGAAGCTGCCACGGAGTCGCTTCAAAGTTCAACAGTAAGAGCCCTCAAAAAA
GTATGAACTCGTCAAAGTCACCAAGGCTATGAACCAAGTGGGTGTCTGGCCCTGCTTACTATGTGGAATAT
TTGATCAAAGAGGCACCATGTACCAATCCCAGGCCAGCTGTTCCGCTCCAGCACTCTGACTCTGAGCCCG
TTGGTATTTGCCAAGTTCTACGGTCCAAAGTTCTCTGAGGCACGTTCTCTGATCCAACCCGTAGAAAA
GTCTGTCACTGTGACTTGTGAGTTCTTCGAATCTCAGGCTCAGGTCCTGGAGATGAGAACCCTGCTGTT
ACCCAGGGCCCTCAGAACTCCCTCAGAAAAACCGGCCCTACCAGCTCCCCCGTAACTGCACCAA
GAGGATCCATCCAGCACCTCCCGAAGTGGATGATGAGAAGCCCGAGGAGTCCAAGGGAGGGAGCCCTGA
GGAAGCCTTTCTGTGCAGCTGGATCTAACCACCAATCCCAGGGGACACACTAGATGTCTCCTTCTGT
TACCTGGAGCCTGGGACAAGAAGCTGGTGGTGTGCCTTTCCCTGGAAAGGAACAGCGCTCCGCCGAGT
GCCAGGGCCCGAGAAGGAGAACAACCTCTGTTCTCCACCC

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online >](#)

Protein Sequence: >MR206065 protein sequence
 Red=Cloning site Green=Tags(s)

MGLLRLLVLC⁺TLAACCMARSPPAPPLPQRPLSPLHPLGCNDSEVLAVAGFALQNI⁺NRDQKDG⁺YMLSLN⁺RV
 HDVREHYQEDM⁺GSLFY⁺LTDVLETDCHVLSRKAQK⁺DCKPRMFY⁺ESVY⁺GQCKAMF⁺HINKPRRVLYLPAY⁺NC
 TLRPVSKR⁺KTH⁺TCPCD⁺CPSPIDLSNPSALEA⁺ATESLAKFN⁺SKSPSKKYELVKVTKAMN⁺QWVSGPAY⁺YVEY
 LIKEAP⁺CTKSQASC⁺SLQHS⁺DS⁺EPV⁺GCICQ⁺GSTVQ⁺SSLRHVPLIQ⁺PVEKSVTVTCEFFESQAQ⁺VPGDENPAV
 TQGPQ⁺KLPQKNTAPTSS⁺SVTAPRGSIQ⁺HLPELDDEKPEESK⁺GGSP⁺EEAFVQ⁺LDLTTNPQ⁺GDTLDV⁺SFL
 YLEPG⁺DKKLVVLPFP⁺GKEQ⁺RSAECPGPEKENNPLVLP⁺P

TRTRPLE⁺QKLI⁺SEEDLAANDILDYKDDDDK⁺V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_021564

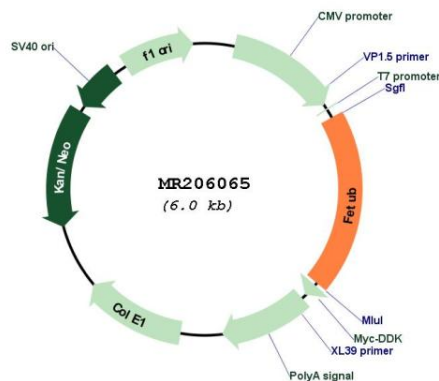
ORF Size: 1167 bp

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 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](#)

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:	<ol style="list-style-type: none"> 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:	<u>NM_021564.2</u>
RefSeq Size:	1600 bp
RefSeq ORF:	1167 bp
Locus ID:	59083
UniProt ID:	<u>Q9QXC1</u>
Cytogenetics:	16 13.76 cM
MW:	42.7 kDa
Gene Summary:	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]

Product images:


Circular map for MR206065