

Product datasheet for MC204631

Fetub (NM_021564) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Fetub (NM_021564) Mouse Untagged Clone
Tag: Tag Free
Symbol: Fetub
Synonyms: 2310011O17Rik; AI255764; D17980; Gugu
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC018341
GGCTTACAGTGGTAGAAACATTTTTAAAAAATAATGGCCTGTGGCTGTAGCTCAGAAGTACAATGTTT
GCCTGGTGTAAAGTGAGGCCCTGGTTTGATGCTTGGCATCATGCACAATGTGTGTGCCATTATGGAGA
ATGGGCCCTGCTCCGACTTCTGGTGCTCTGCACCCTGGCTGCATGCTGCATGGCCCCCTCTCCCCAGCCC
CACCCCTGCCACAACGCCCTCTCACCTCTGCATCCTCTGGGCTGTAACGACTCTGAAAGTCTGGCAGT
TGCAGGATTTGCCTGCAGAACATCAACAGAGACCAAAAGGATGGCTATATGTTGAGCCTAACAGAGTG
CATGATGTTCCGGGAGCACTACCAGGAAGACATGGGATCTCTGTTCTACCTCACATTGGATGTCTTAGAGA
CTGACTGCCACGTGCTCAGCAGGAAGGCACAGAAGGACTGCAAACCGAGGATGTTCTATGAGTCGGTTTA
TGGCCAGTGCAAAGCAATGTTTCACATTAACAAGCCAAGAAGAGTTCTCTACTTACCTGCTATAACTGT
ACACTTCGCCAGTTTCCAAAAGAAAGACTCATACAACGTGCCCTGACTGCCCTAGCCCCATTGACTTGT
CAAACCCAGTGTCTGGAAGCTGCCACGGAGTCGCTTGCAAAGTTCAACAGTAAGAGCCCCTCAAAAA
GTATGAACTCGTCAAAGTCACCAAGGCTATGAACCAAGTGGGTGTCTGGCCCTGCTTACTATGTGGAATAT
TTGATCAAAGAGGCACCATGTACCAAATCCCAGGCCAGCTGTTCCGCTCCAGCACTCTGACTCTGAGCCCC
TTGGTATTTGCCAAGTTCTACGGTCCAAAGTTCTCTGAGGCACGTTCTCTGATCCAACCCGTAGAAAA
GTCTGTCACTGTGACTTGTGAGTTCTTCGAATCTCAGGCTCAGGTCCTGGAGATGAGAACCCTGTGTT
ACCCAGGGCCCTCAGAACTCCCTCAGAAAAACACGGCCCTACCAGCTCCCCCTCCGTAAGTGCACCAA
GAGGATCCATCCAGCACCTCCCCGAAGTGGATGATGAGAAGCCCGAGGAGTCCAAGGGAGGGAGCCCTGA
GGAAGCCTTTCTGTGCAGCTGGATCTAACCACCAATCCCCAGGGGACACACTAGATGTCTCCTCCTG
TACCTGGAGCCTGGGGACAAGAAGCTGGTGGTGCCTTTCCCTGGAAAGGAACAGCGCTCCGCCGAGT
GCCAGGGCCCGAGAAGGAGAACAACCCTCTGGTTCTCCACCCTGAGACTCCCTAGCAGGGTTTCATAG
GGCTATGGTCCCCAGCACTAAATGGGAGGTGGTGGGGATTGGGAAGGACACAGACAATGAAATGTAGACA
GGCTAATAAAGTGTGCTTTTTGATGCTTAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_021564
Insert Size: 1167 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 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: [BC018341](#), [AAH18341](#)

RefSeq Size: 1444 bp

RefSeq ORF: 1167 bp

Locus ID: 59083

UniProt ID: [Q9QXC1](#)

Cytogenetics: 16 13.76 cM

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]

Transcript Variant: This transcript (1) represents the longest transcript. Variants 1 and 3 encode the same protein (isoform 1).