

## Product datasheet for MC215752

### Mboat4 (NM\_001126314) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mboat4 (NM_001126314) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mboat4
Synonyms:	Gm171; GOAT
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC215752 representing NM_001126314 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGATTGGCTCCAGCTCTTTTTCTGCATCCTTTATCATTATCAAGGGGCTGCATCCCTTTGCGC  
TTCTGTTAATTATCTCTGCATCTTGACACCTTTCCACCCGGGCCAGGTACCTCTTCTCCTGGCTGG  
AGGAGGTGCTCCTGGCTTTGCTGCCATGGGTCCCTACTCTCTGCATCTTCATCCCTGCGCTCTGCGCT  
GTGGCTCTGGTCTCCTTCTCAGTCCACAGGAAGTCCATAGGCTGACCTTCTTTTTCAGATGGGCTGGC  
AGACCCTGTGCCATCTGGGTCTTCACTACACCGAATACTACCTGGGTGAGCCTCCACCCGTGAGGTTCTA  
CATCACTCTTCTTCCCTCATGCTCTTGACGCAGAGAGTACATCCCTCTCACTGGACATTTGTGAAGGG  
AAGGTGGAGGCCCGAGGCGGGGCATCAGGAGCAAGAGTTCTTCTCTGAGCACCTGTGGGATGCTCTAC  
CTCATTTTCAGCTACTTGGCTTTTTCCCTGCTCTCCTGGGAGGCTCCCTGTGTTCCCTCCGGAGGTTTCA  
GGCTTGCCTTCAAAGATCAAGCTCTTGTATCCGAGTATCTCTTTTCCGGCTCTGACCTGGAGGGGCTG  
CAGATTTCTCGGCTGGAGTGCCTCAAGGTGGCGCTGAGGAGCGCGTGAGTCTGGAGCTGGACTGGATG  
ACTGCCAGCGGCTGGAGTGCATCTACCTCATGTGGTCCACAGCCTGGCTTTAACTCACATTAATCTC  
CCATTGGATCCTGGACGACTCTCTCCTCCACGCGGGGCTTTGGCGCTGAGGCTGGCCAGGGCCCTGGA  
GAGGAGGGATACGTCCCCGACGTGGACATTTGGACCCTGAAACTACCCACAGGATCTCCCTGTTGCGCA  
GGCAGTGAACCGAAGCACAGCTCTGTGGCTCAGGAGGCTCGTCTTCCGGAAGAGCCGGCCTGGCCCT  
GCTGCAGACATTTGCCTTCTCTGCTGGTGGCAGGGCTCCACCCAGGTGAGGTTTCCGCTTCTGTGC  
TGGTCTGTAATGGTGAAGCCGATTATCTGATTACACTTTTCCCAACGTATGTATCAGATCCTGGCCCC  
TGCGGCTGCTTTATAGACCCTCACTGGGCTCATACCAACTCATATTGCCTACATCATGCTGGCGGT  
GGAGGGCCGAGCCTTCTCTCTGCAACTGTGCTGTTCTTACAACAGTCTCTCCCTGTGATGTAC  
GGTCTTTTCTTTTCTGTTAGCGGAGAGAAAAGACAAACGTAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001126314
<b>Insert Size:</b>	1308 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_001126314.2</a></u> , <u><a href="#">NP_001119786.1</a></u>
<b>RefSeq Size:</b>	1839 bp
<b>RefSeq ORF:</b>	1308 bp
<b>Locus ID:</b>	234155
<b>UniProt ID:</b>	<u><a href="#">P0C7A3</a></u>
<b>Cytogenetics:</b>	8 A4
<b>Gene Summary:</b>	Mediates the octanoylation of ghrelin at 'Ser-3'. Can use a variety of fatty acids as substrates including octanoic acid, decanoic acid and tetradecanoic acid.[UniProtKB/Swiss-Prot Function]