

## Product datasheet for **RN203336**

### **Mboat7 (NM\_001134978) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Mboat7 (NM_001134978) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mboat7
Synonyms:	Leng4; RGD1306945
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN203336 representing NM\_001134978  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACACCCGAAGAATGGACATATCTAATGGTCCTTCTTATCTCCATCCCTGTTGGCTTCTCTTTAAGA  
 AAGCTGGACCTGGGCTGAAGAGATGGGGGCAGCAGCTGTGGCCTGGGGCTCACCTTATCACCTGTGG  
 CCCCCACAGTTTGCATTCTGTATCACCATCTTGGGAACCTGGGCCCTCATAAGGCCAGCCCTGCTCC  
 TGCCACGCGTGGCTCTTGCCTGGACCTTCTCCTATCTTCTTCTTCCGAGCCCTCAGCCTGCTGGGCC  
 TGCCCACTCCACACCCCTCACCAATGTGTCCAGCTGCTGTTGACACTGAAGTTGGTGAGTCTGGCCAG  
 TGAAGTCCAGGATCTTCATCTGGCCAGAGAAAGGAAATGGCCTCCGGCTTCCAGCAAGGAGCCTACCCTG  
 GGCCTGCTGCCTGATGTCCCTCTTTGATGGAGACTCAGCTACAGCTACTGTTATGTGGGAATCATGA  
 CAGGCCATTCTCCGCTACCGACCTACCTGGATTGGCTGGAACAGCCCTTCCCGAAGCCGTGCCAG  
 CCTGAGGCCCTGCTGCGCCGCGCTGGCCAGCCCGCTTTTGGCCTGCTCTTCTGCTGCTCCTCAT  
 CTCTTCCCACTGGAAGCTGTGCGTGAGGATGCCTTCTACGCCCGCCCGCTGCCACCCGCTCTTCTACA  
 TGATCCCGGTCTTCTTCCGCTTCCGCATGCGCTTCTACGTGGCCTGGATTGCGGGCCGAGTGGGTTGCAT  
 TGCCGCGGGCTTCCGGGCTACCTGTGGCTGCCAAAGCCGGGCGGTGGCGGCCACCCCTCCAATGC  
 CCACCCCTAGCAGTCCGGAGATTGAGCTTCCCTGGAGTATGACTATGAGACCATCCGTAACATCGACT  
 GCTATGGCACAGACTTCTGCGTGCCTGTGCGGGATGGCATGCGGTACTGGAACATGACCGTGCAGTGGTG  
 GCTGGCACAGTACATCTACAAGAGTGCACCTTTCTGCTCCTACGTTTTGAGGAGTGCCTGGACCATGCTG  
 CTGAGTGCCTACTGGCATGGCCTCCACCCTGGCTACTACCTAAGCTTTCATGACCATCCCGCTGTGCCTGG  
 CTGCTGAGGGCTATTTGGAGTCAAGCTTCCGGAGACATCTGAGCCCGGGGGCCAGAAAGCCTGGGACTG  
 GTTCCACTGGTTTCTGAAGATGCGTGCCTACGACTACATGTGCATGGGCTTTGTGCTCCTTCCATGGGT  
 GACACACTCCGGTACTGGCCTCCATCTACTTCTGGGTCCACTTCTAGCCCTGGCCTGCCTGGGCTGG  
 GGCTGGCTTTGGGTGGGGCAGCCCGCAAGAGGAAGACACCATCCAGGCCACCACCAGCCAAGCCAA  
 GGAAAAGCTGCGGGAAGAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001134978

**Insert Size:** 1422 bp

**OTI Disclaimer:** 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).

**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: NM\_001134978.1, NP\_001128450.1  
RefSeq Size: 2303 bp  
RefSeq ORF: 1422 bp  
Locus ID: 308309  
Cytogenetics: 1q12