

Product datasheet for **RR203336**

Mboat7 (NM_001134978) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>RR203336 representing NM_001134978
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACACCCGAAGAATGGACATATCTAATGGTCCTTCTTATCTCCATCCCTGTTGGCTTCTCTTTAAGA
 AAGCTGGACCTGGGCTGAAGAGATGGGGGCAGCAGCTGTGGCCTGGGGCTCACCTTATCACCTGTGG
 CCCCCACAGTTTGCATTCTGTATCACCATCTTGGGAACCTGGGCCCTCATAAGGCCAGCCCTGCTCC
 TGCCACGCGCTGGCTCTTGCCTGGACCTTCTCCTATCTTCTTCTTCCGAGCCCTCAGCCTGCTGGGCC
 TGCCCACTCCCACACCTTACCAATGTGTCCAGCTGCTGTTGACACTGAAGTTGGTGAGTCTGGCCAG
 TGAAGTCCAGGATCTTCATCTGGCCAGAGAAAGGAAATGGCCTCCGGCTTACGCAAGGAGCCTACCCTG
 GGCCTGCTGCCTGATGTCCCTCTTTGATGGAGACTCAGCTACAGCTACTGTTATGTGGGAATCATGA
 CAGGCCATTCTCCGCTACCGACCTACCTGGATTGGCTGGAACAGCCCTTCCCGAAGCCGTGCCAG
 CCTGAGGCCCTGCTGCGCCGCGCTGGCCAGCCCGCTTTTGGCCTGCTTCTCCTGCTGCTCCTCAT
 CTCTCCCACTGGAAGCTGTGCGTGAGGATGCCTTCTACGCCCGCCGCTGCCACCCGCTCTTCTACA
 TGATCCCGGTCTTCTTCGCCTCCGCATGCGCTTCTACGTGGCCTGGATTGCGGCCGAGTGCGGTTGCAT
 TGCCGCGGGCTTCGGGGCTACCCTGTGGCTGCCAAAGCCGGGCGGTGGCGGCCACCTCCAATGC
 CCACCCCTAGCAGTCCGGAGATTGAGCTTCCCTGGAGTATGACTATGAGACCATCCGTAACATCGACT
 GCTATGGCACAGACTTCTGCGTGCCTGTGCGGGATGGCATGCGGTACTGGAACATGACCGTGCAGTGGT
 GCTGGCACAGTACATCTACAAGAGTGCACCTTCTGCTCCTACGTTTTGAGGAGTGCCTGGACCATGCTG
 CTGAGTGCCTACTGGCATGGCTCCACCCTGGCTACTACCTAAGCTTTCATGACCATCCCGCTGTGCTGG
 CTGCTGAGGGCTATTTGGAGTCAAGCTTCCGGAGACATCTGAGCCCGGGGGCCAGAAAGCCTGGGACTG
 GTTCCACTGGTTTCTGAAGATGCGTGCCTACGACTACATGTGCATGGGCTTTGTGCTCCTTCCATGGGT
 GACACACTCCGGTACTGGCCTCCATCTACTTCTGGGTCCACTTCTAGCCCTGGCCTGCCTGGGGCTGG
 GGCTGGCTTTGGGTGGGGCAGCCCAAGAGGAAGACACCATCCCAGGCCACCACAGCCAAGCCAA
 GGAAAAGCTGCGGAAGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGTTTAA

Protein Sequence:

>RR203336 representing NM_001134978
 Red=Cloning site Green=Tags(s)

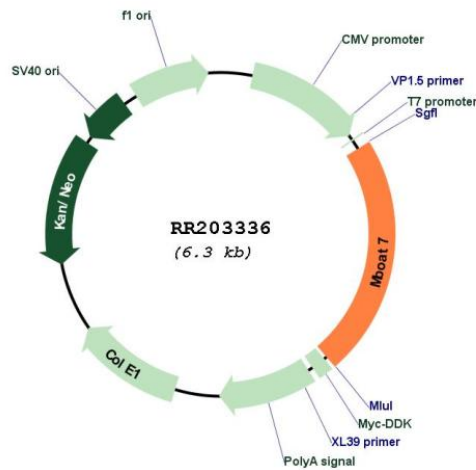
MTPEEWYLMVLLISIPVGFLLFKKAGPGLKRWGAAVGLGLTLFTCGPHSLHSLITILGTWALIQAPCS
 CHALALAWTFSYLLFFRALSLGLPTPTPFTNAVQLLLTLKLVSLASEVQDLHLAQRKEMASGFSKEPTL
 GLLPDVPSLMETLSYSYCVGIMTGPFFRYRXYLDWLEQPFPEAVPSLRPLRRRAWPAPLFGLLFLLSSH
 LFPLEAVREDAFYARPLPTRLFYMIPVFFAFRMRFYVAWIAAECGCIAGFGAYPVAAKARAGGGPTLQC
 PPPSSPEIAASLEYDYETIRNIDCYGTDFCVVRVDRGMRYWNMTVQWLAQYIYKSAPFCSYVLRSAWML
 LSAYWHGLHPGYL SFMTIPLCLAAEGYLESALRRHLSPGGQKAWDFHWFLLKMRAYDYMCMGFVLLSMG
 DTLRYWASIFYVWHFLALACLGLGLALGGGSPSKRKTSPQATTSQAKEKREE

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:

ACCN:

NM_001134978

ORF Size:

1419 bp

OTI Disclaimer:

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:

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

MW: 53.4 kDa