

Product datasheet for RR212316

Ube2m (NM_001108471) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ube2m (NM_001108471) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ube2m
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212316 representing NM_001108471
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGATCAAGCTGTTCTCGCTGAAGCAGCAGAAGAAGGAGGAGGAGTCGGCCGGCGCCACCAAGGGCAGCA
 GCAAGAAGGCGTCGGCGCGCAGCTGCGGATTCAGAAGGACATTAACGAGCTGAACCTGCCAAGACGTG
 TGACATCAGCTTCTCAGACCCAGACGACCTCCTCAACTCAAACCTGTTTATCTGTCTGATGAAGGCTTC
 TACAAGAGCGGCAAGTTTGTGTTTCAGCTTAAAGGTGGGACAGGGTTACCCACATGACCCTCCAAGGTGA
 AGTGTGAAACAATGGTTTATCATCCCAACATTGACCTCGAGGGCAACGTCTGCCTCAACATCCTCAGAGA
 GGACTGGAAGCCAGTCTTACGATAAACTCCATAATTTATGGCCTGCAGTATCTTCTTGGAGCCCAAC
 CCCGAGGACCCACTGAACAAGGAGGCTGCCGAGGTCTGCAGAACAATCGGCGGCTGTTTGAACAAAACG
 TGCAGCGCTCCATGAGAGGTGGTTACATCGGGTCCACCTACTTCGAGCGCTGCCTGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR212316 representing NM_001108471
Red=Cloning site Green=Tags(s)

MIKLFSLKQQKKEESAGGTGSSKKASAAQLRIQKDINELNPKTCDISFSDPDDLNFKLVICPDEGF
 YKSGKFVFSFKVGQGYPHDPPKVKCETMVYHPNIDLEGNVCLNILREDWKPVLINSIIYGLQYLFLEPN
 PEDPLNKEAAEVLQNNRRLFEQNVQRSMRGGYIGSTYFERCLK

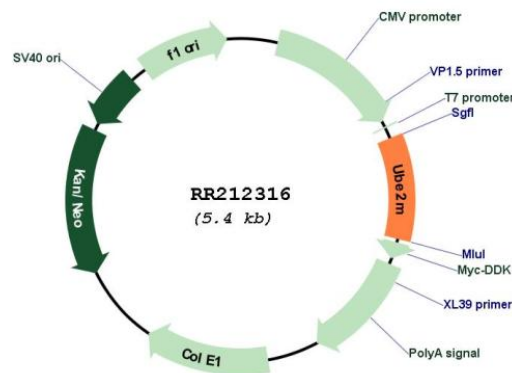
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001108471

ORF Size: 549 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:	<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_001108471.1, NP_001101941.1</u>
RefSeq Size:	1963 bp
RefSeq ORF:	552 bp
Locus ID:	361509
Cytogenetics:	1q12
MW:	20.9 kDa