

Product datasheet for RR201125

Mpdu1 (NM_001107011) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mpdu1 (NM_001107011) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mpdu1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201125 representing NM_001107011
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGGCGAGACTGACGGACCGTTCAAAGGGGTGCTGGTACCAATCTTTTACCTGAGAAATGCTATG
 ATCAATTCTTCGTCCTCACTGGGACTTGCTTCATGTTCCCTGCCTCAAGATTCTCCTCAGCAAAGCCCTTGG
 GCTGGGCATCGTGGCTGGTCACTTCTTGTAAGCTCCCCAGATATTTAACTCTGGGAGCCAAGAGT
 GCAGAAGGACTGAGTCTCCAGTCAGTAATGCTGGAGCTAGTGGCACTGACTGGAATATGGTCTACAGCA
 TACCAACAACCTCCCTTCAGCTCTTGGGGTGAAGCACTGTTCTGACTACAGACGGTTACCATCTG
 CTTCTGGTCACTACAGAGGAGAGACCGTAAAAGGAGTTGCTTTCCTTGTCTGCTTTGCCGTGGTC
 CTGTTGGCGTCTTTCCCACTCATGCCTCTGGCTGTGCCACCCTGCTCCAGGCCTCAATGTACCTG
 CTGTGGTGGTGGGAAGTTGCTCCAGGCAGCCACTAACTACCACAACGGACACACAGGCCAGCTTTCAGC
 CATTACAGTGTATGCTGTTTGGGGCTCCTTGGCCGGATCTTCACTTCTGTTAGGAACTGGAGAT
 CCCCTCATGGCTGGAGTCTTTGGTCTTCTCTCTGCAATGGCCTTATTGCTGCCAGGTCTCTTCT
 ACTGGAATGCGAAGGCTCCCCACAAGCAGAAAAAGCAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201125 representing NM_001107011
 Red=Cloning site Green=Tags(s)

MAGETDGPFGVLPVILLPEKCYDQFFVHWDLLHVPCLKILLSKGLGLGIVAGSLLVKLPQIFKLLGAKS
 AEGLSLQSVMLELVALTGMTVYSITNFPFSSWGEALFLTLQVTICFLVMHYRGETVKGVAFVLCFAV
 LLALLSPVMLAVPTLLQASNPVAVVVGKLLQAATNYHNGHTGQLSAITVFMLFGGSLARIFTSVQETG
 PLMAGVFVSSLCNGLIAAQVLFYWNAKAPHKQKQ

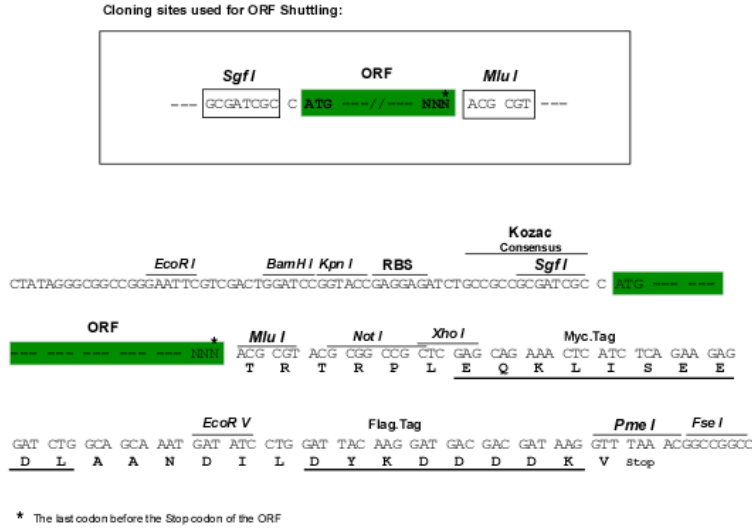
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



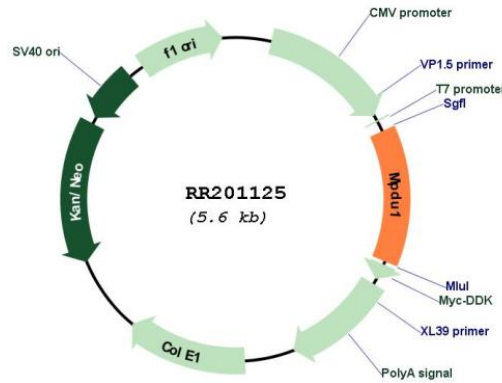
[View online »](#)

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107011

ORF Size: 741 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_001107011.1, NP_001100481.1</u>
RefSeq Size:	1277 bp
RefSeq ORF:	744 bp
Locus ID:	303244
Cytogenetics:	10q24
MW:	26.5 kDa