

Product datasheet for **RR212388**

Rsu1 (NM_001109404) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Rsu1 (NM_001109404) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Rsu1
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR212388 representing NM_001109404
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCAAGTCACTGAAGAAGCTGGTGGAGGAGAGCAGAGAGAAGAACCAGCCGGAAGTGGACATGAGTG
 ACAGGGGTATCTCCAGTATGCTGGATGTCAACGGCTTGTCTCCTTAGCCCATATCAGCAACTGGTACT
 CAGCCACAACAAGCTAACGACTGTGCCACCGAACGTAGCAGAGCTGAAGAACCTTGAGGTACTGAACCTT
 TCAATAACCAGATCGAGGAACGCCACCCAGATCAGCAGCCTTCAGAACTCAAACACCTGAACCTTG
 GCATGAACAGGTTGAACACGCTGCCTCGAGGATTCGGCTCGCTCCAGCCCTGGAGTCTGGACTTGAC
 TTACAACAACCTGAATGAACATTCTTCCGGGAACTTCTTCTACCTCACACCCTGCGTGCACCTCTAT
 CTAAGCGACAACGATTTTGAAATCCTGCCTCCAGATATTGGGAAGCTCACAAAGTTGCAGATACTCAGCC
 TCAGGGACAATGACCTGATCTCACTGCCTAAGGAAATCGGGGAGCTGACCCAGCTGAAGGAGCTCCACAT
 TCAGGGGAACCGCTGACCGTTCTGCCTCCAGAGCTCGGCAACTTGGACCTAACCGGTGAGAAGCAGGTC
 TTCAAAGCAGAGAACAACCCCTGGGTTACCCCAATTGCTGACCAGTTCAGCTTGGCGTCTCCCATGTTT
 TCGAATATATTCGTTAGAAACATACAAATACCTCTACGGCAGACACATGAAGCCAACCCAGAACCCCC
 AAAGAAGAATAACGACAAATCAAAAAGATCAGCCGAAACCCCTTGCAGCCAAGAACAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

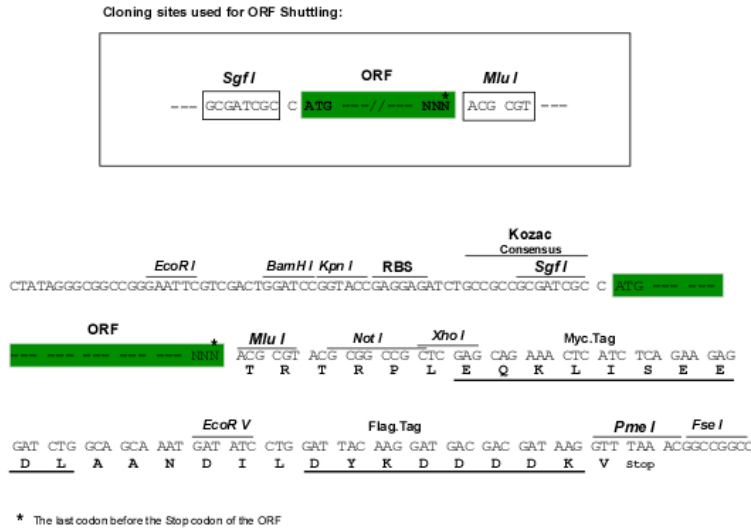
Protein Sequence: >RR212388 representing NM_001109404
Red=Cloning site Green=Tags(s)

MSKSLKKLVEESREKNQPEVMSDRGISMSLDVNGLFLSLAHITQLVLSHNKLTTPPNVAELKNLEVLNF
 FNNQIEELPTQISSLQKLKHLNLMNRNLNTPRFGGSLPALEVLDLTYNLNEHSLPGNFFYLTLRALY
 LSDNDFEILPPDIGKLTQLQILSLRDNDLISLPKEIGELTQLKELHIQGNRLTVLPPELGNLDLTGQKQV
 FKAENNPWVTPAIADQFQLGVSHVFEYIRSETYKLYLGRHMQANPEPPKKNNDKSKKISRKPLAAKNK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001109404

ORF Size: 831 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_001109404.1](#), [NP_001102874.1](#)

RefSeq Size: 1582 bp

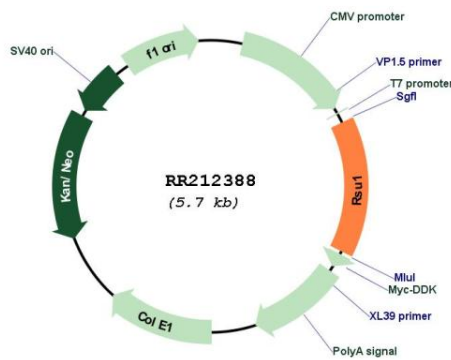
RefSeq ORF: 834 bp

Locus ID: 680419

Cytogenetics: 17q12.3

MW: 31.5 kDa

Product images:



Circular map for RR212388