

Product datasheet for **RR203040**

Sub1 (NM_001009618) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sub1 (NM_001009618) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Sub1
Synonyms: Rpo2tc1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR203040 representing NM_001009618
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTAAATCAAAGGACTTGTTCCTCGAGCTCTTCAGGCAGTGATTCTGACAGCGAAGTTGAAAAA
AGTTAAAGAGGAAAAAGCAAGTTGTTCCAGAGAACTGTGAAGAAGCAAAGCCTGGTGAGAGTTCTAG
AGCACTGGCATCCTCCAAGCAGAGTAGCAGCAGCAGAGATGATAACATGTTCCAGATTGAAAGATGAGA
TATGTCAGTGTTTCGGACTTTAAAGGAAAAATTCTAATTGATATTAGAGAATATTGGATGGACTCAGAAG
GTGAAATGAAACCAGGGAGAAAAGGTATTTCTTTAAACATGGAACAATGGAGCCAGCTGAAGGAACAGAT
CTCTGACATAGATGACGCAGTAAGAAAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR203040 representing NM_001009618
Red=Cloning site **Green**=Tags(s)

MPKSKELVSSSSGSDSDSEVEKKLKRKKQVVPEKPVKKQKPGESSRALASSKQSSSRDDNMFQIGKMR
YVSVRDFKGIKILIDIREYWMDSEGEMKPRKGISLNMEQWSQLKEQISDIDDAVRKL

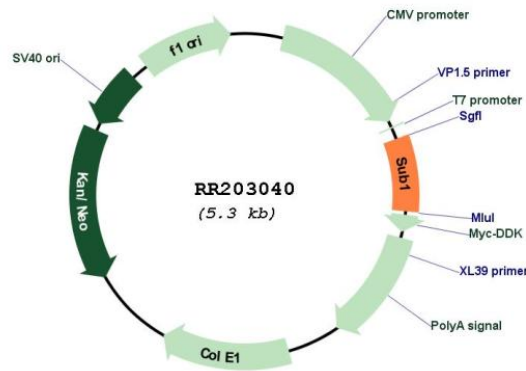
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001009618

ORF Size: 381 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](#)

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|-------------------------------|---|
| 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_001009618.1</u> , <u>NP_001009618.1</u> |
| RefSeq Size: | 782 bp |
| RefSeq ORF: | 384 bp |
| Locus ID: | 192269 |
| UniProt ID: | <u>Q63396</u> |
| Cytogenetics: | 2q16 |
| MW: | 14.4 kDa |
| Gene Summary: | expressed in 12 day embryo and in a chemically induced pancreatic B-cell tumor; not expressed in normal differentiated cells [RGD, Feb 2006] |