

Product datasheet for **RR211888**

Rgs20 (NM_001127495) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rgs20 (NM_001127495) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Rgs20
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211888 representing NM_001127495
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCACGGCCAACGGAGGCCCGAGGGCCGAGCTTCCCCTTCGGCTAGTCCAGAGGACCCTAACCTGC
CTGTGGAATCTGAGCAGACCGAAATGCGGATGCGGCAGATGTGCAGCGGAAGTGAGACGCAGGGCTCTGT
CCCAAGCCAGCAGCAGGGCGTGGGCGGCCGAGGCTCCAATGCCTGCTGCTTTTGTGGTGTCTGCTGC
AGCTGTTCTTGCCCTCACCGTCAGAAACCAAGAAGACCAGAGACCCCAAAGAGCTGCCACGAACTCAGAA
CAGACATTCCAGCGTGTGAAGAAAGCCCATGCCACTCTGGAAGAAGTCTGTGCCTGGGCCAATCTTT
TGACAACCTAATGGTCACTCCAGCTGGAAGAAATGCATTCCGGGAATTTCTTGAACAGAATTCAGTGAG
GAAAACATGCTCTTCTGGATGGCCTGTGAGGAACTGAAAAGGGAAGCTAATAAAGCACTATTGAGGAGA
AAGCAAGGATAATATGAAGACTACATTTCTATTCTCTCCGAAAGAGGTGAGCTGGACTCCCGAGT
GCGAGAGGTTATCAACAGAAACATGGTGGATCCATCTCAACACATCTTTGATGACGCTCACTGCAGATC
TACACCCTAATGCACAGAGACTCCTATCCCGCTTCATGAACTCCACAGTCTATAAGGATTTACTTGAGT
CCTTAGCTGAGAAAGCAGTTGAAGCA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR211888 representing NM_001127495
Red=Cloning site Green=Tags(s)

MRTANGGPRAGASPSASPEDPNLPVESEQTEMRMRQMCSGSETQGSVPSQQQGVGGRGSNACCFWCCCC
SCSCLTVRNQEDQRPQRAAHELRTDIPACEESPMPLEEVCAWAQSFNLMVTPAGRNAFREFLRTEFSE
ENMLFWMAEELKREANKSTIEEKARIIYEDYISILSPKEVSLDSRVREVINRNMVDPHQIFDDAQLQI
YTLMHRDSYPRFMNSTVYKDLLESLAEKAVEA

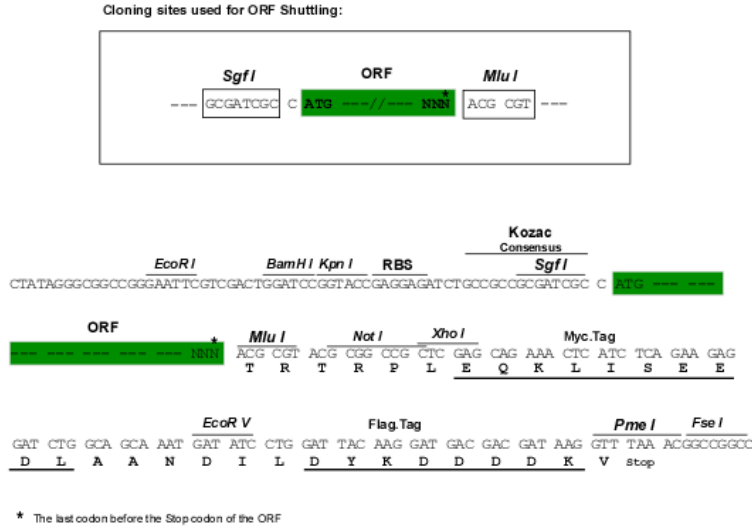
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



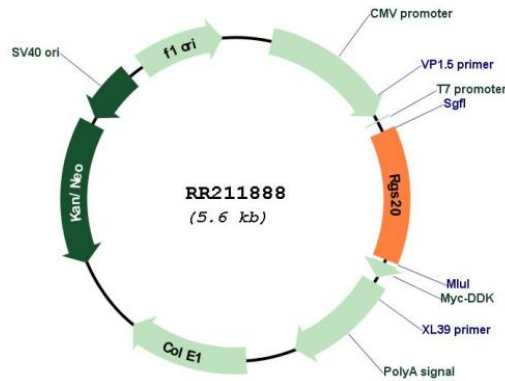
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Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001127495

ORF Size: 726 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_001127495.1</u> , <u>NP_001120967.1</u>
RefSeq Size:	1671 bp
RefSeq ORF:	729 bp
Locus ID:	362477
Cytogenetics:	5q12
MW:	27.3 kDa