

Product datasheet for **RR211492**

Rest (NM_031788) Rat Tagged ORF Clone

Product data:

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|--------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Rest (NM_031788) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Rest |
| Synonyms: | Nrsf |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| ORF Nucleotide Sequence: | >RR211492 representing NM_031788 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGGCCACCCAGGTGATGGGGCAGTCTTCTGGAGGAGGAAGTCTCTTTAACACAGTGGCAACATGGGCA
TGGCCTTACCCAACGACATGTATGACTGCACGACCTCTCGAAAGCTGAACTGGCGGCACCTCAGCTCAT
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CCTGAAGCACCCGTGGCGGAGGACAAAATGCAAGAATTTGAAGGCCAAACCCTTCCGTTGTAAGCCATGCC
AGTATGAAGCGGAGTCTGAAGAACAGTTCGTACATCACATCCGGGTTACAGTGCTAAGAAGTTTTTGT
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ACTTCAAGAAGCAGTCGAGCTGCAGTCAACCCTCGGCAGTTCAACTGCCCGTGTGTGACTACGCGGC
CTCCAAGAAGTGAACCTGCAGTACCATTTCAAGTCCAAGCACCCACCTGCCAGCAAGACGATGGAC
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CAGGAAACAACGCAGAAAAGTCCTCTAAAGCTAAGAAGAGCAAAAAGGAAGATGGACGCCGAGGCCATCC
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Protein Sequence:

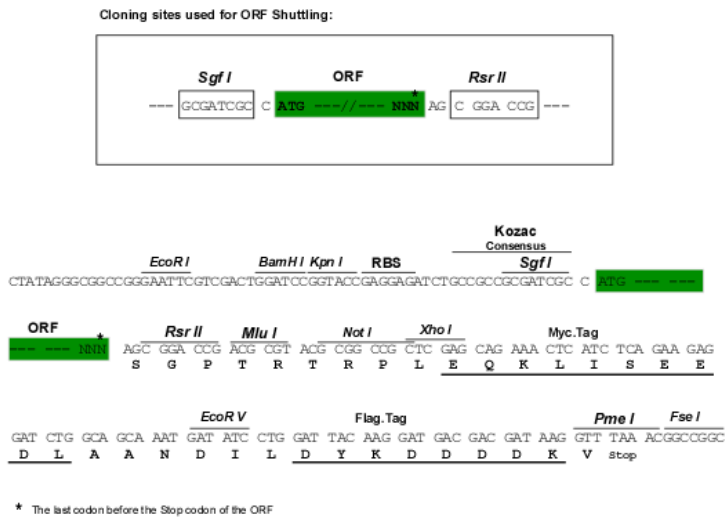
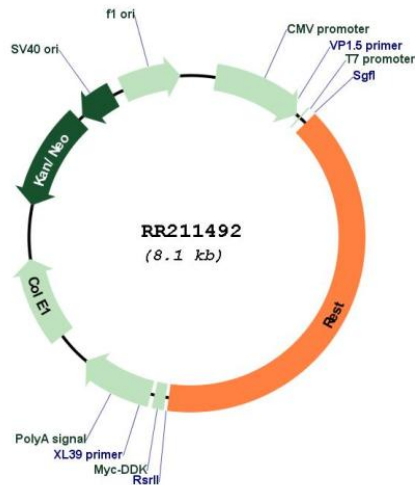
>RR211492 representing NM_031788
 Red=Cloning site Green=Tags(s)

MATQVMQSSGGGSLFNNSGNMGMALPNDMYDLHDL SKAELAAPQLIMLANVALTGEVNGSCCDYLVGEE
 RQMAELMPVGDNHFSDSEGEGLSESAELKGDPSGLDNMELRSLLE SVVEPQPVFEEASAAPEVYSSNKDPA
 PEAPVAEDKCKNLKAKPFRCKPCQYEAEESEEQFVHHIRVHSAKFFVEESAQAKARESGASPSEEGEF
 SKGPIRCDRCGYNTNRYDHYTAHLKHHLRAGDNERVYKCIICTYTTVSEYHWRKHLRNHFPRKVYTCSC
 NYFSTENNYVQHVRTHHTGERPYKCELCYSSSQKTHL TRHMRTHSGEKPFKCDQCNYVASNQHEVTRHA
 RQVHNGPKPLNCPHCDYKTADRSNFKKHVELHVNPRQFNCPVCDYAASKKCNLQYHFKSKHPTCPSKTM
 VSKVKLKKTRREADLHRDAAAATEQTDTEQAKTKGVDASARRSERPVKGVGKDVPEKPKPCSNASVVQ
 VTTRTRKSAVETKAAEGKHTDGQTGNNAEKSSKAKSKRKMDAEAHPSVEPVTEGPTVKKKKTESKPKTS
 GEVPGKSRVEDRKADKQQSASIKKGGKKTALKTKTAKKGSKLAPKWVGHTEPSSEMAQGGESPVPAQT
 VVTPSGSTQTELSPPMDIAQTEPAQMDVSTGPPQVQRPLPVEPAQLEPSPPQEPPEPPACVEPPPPV
 EPPCPMEPAEMEPSPPMEPSQVEPPPHLEPPLPMELPQVELPPVEDCQKELPPVEHAQTKVAQTGPTQV
 AVQEEPLFLCLRATSSQANQKVI SPKDRAKEKLSV SEMARQEQLIEVGLVPVRDSQLLKASKSAPDLPA
 PPSPLPKGHLRREETPKDQEMFSDGEGNKVSPLKGGTEEGESRAELAAPMESTSALSSEQSSNAPDGE
 TLHSECQADSTAVCEMEVDTEQKTRVPLKDSAVEPVSPLNPRVDPEAAAPAVVASPPITLAESEQEIDED
 EGIHSHDGSDDLSDNMSEGSDDSLHGARPAPQEATSKSGKEGLAVKVTEGEFVCIFCDRSFRKEKDYSKH
 LNRHLVNVYFLEEAAEEQE

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-RsrII

Cloning Scheme:

Plasmid Map:


ACCN: NM_031788

ORF Size: 3207 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.

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| 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: | NM_031788.1 , NP_113976.1 |
| RefSeq Size: | 3251 bp |
| RefSeq ORF: | 3210 bp |
| Locus ID: | 83618 |
| UniProt ID: | O54963 |
| Cytogenetics: | 14p11 |
| MW: | 117.1 kDa |
| Gene Summary: | represses transcription of the AMPA receptor (AMPA) subunit GluR2 and other neural genes [RGD, Feb 2006] |