

Product datasheet for RN211492

Rest (NM_031788) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rest (NM_031788) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Rest
Synonyms:	Nrsf
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN211492 representing NM_031788 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**

ATGGCCACCCAGGTGATGGGGCAGTCTTCTGGAGGAGGAAGTCTCTTTAAACAACAGTGGCAACATGGGCA
TGGCCTTACCCAACGACATGTATGACTGCACGACCTCTCGAAAGCTGAACTGGCGGCACCTCAGCTCAT
TATGTTAGCCAACGTGGCCCTGACTGGGGAAGTGAATGGCAGCTGCTGTGATTACCTGGTTGGTGAAGAG
AGACAGATGGCCGAGTTGATGCCTGTTGGAGACAACCCTTTTCAGATAGCGAAGGAGAAGGCCCTTGAGG
AGTCGGCTGAACTAAAAGGTGACCCAGTGGGCTGGACAACATGGAAGTGAAGTTGGAGCTAAGCGT
TGTAGAGCCCCAGCCGTATTTGAAGCATCAGCTGCCCCAGAAGTGTACAGCTCGAATAAAGATCCCGCC
CCTGAAGCACCCGTGGCGGAGGACAAATGCAAGAATTTGAAGGCCAAACCCTTCCGTTGTAAGCCATGCC
AGTATGAAGCGGAGTCTGAAGAACAGTTCGTACATCACATCCGGGTTACAGTGCTAAGAAGTTTTTTGT
GGAAGAGAGTGCAGAGAAGCAAGCCAAAGCCAGGGAATCTGGGGCTTCCCGTCTGAGGAGGGCGAGTTC
TCCAAGGTCCCATCCGCTGTGATCGCTGTGGCTACAATACCAACCGGTATGATCACTACACGGCACACC
TGAAGCACCCAGTGAAGCCGGGATAACGAGCGTGTCTACAAGTGTATCATTTGCACGTACACGACAGT
CAGCGAATACCACTGGCGGAAACACCTGAGGAACATTTCCAGGAAAGTCTACACGTGTAGCAAGTGC
AACTATTTTTTCGACAGAAAAAATAATTATGTTCAACAGTTCGAACTCACACAGGAGAACGCCCTTATA
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TGAGAAGCCATTTAAATGTGATCAGTGAATTAATGTGGCTCTAATCAGCACGAAGTGACCCGACACGCA
AGACAGGTTCAACAACGGGCTAAACCTCTTAATTGCCCTCACTGTGACTACAAAACAGCCGATAGGAGCA
ACTTCAAGAAGCAGTCGAGCTGCACGTCAACCCTCGGCAGTTCAACTGCCCGTGTGTGACTACCGGGC
CTCCAAGAAGTGAACCTGCAGTACCATTTCAAGTCCAAGCACCCACCTGCCAGCAAGACGATGGAC
GTGTCCAAAGTGAAGCTGAAGAAAACCAAGAGGAGGGAGGCTGACCTGCACCGTGACGCCGCCGCCGCC
CCTGAGCAGACGACAGAGCAAGGAAAACCAAGGGGGTGGACCGCTCTGCGAGGAGAAGTGAGAG
GCCTGTAAAAGCGTTGGAAAAGATGTTCCAAAAGAGAAGAAGCCCTGTAGCAATGCCTCTGTGGTGCAG
GTAACACCCGAACTCGGAAATCAGCGGTGGAGACTAAAGCAGCGGAGGGAAAACACACAGATGGACAGA



CAGGAAACAACGCAGAAAAGTCCTCTAAAGCTAAGAAGAGCAAAAAGGAAGATGGACGCCGAGGCCATCC
 CTCGGTCGAGCCTGTGACTGAGGGACCCGTGACAAAGAAGAAAAAGACGGAGAGCAAACCAAGACCAGC
 GGCGAAGTGCCGAAGGGCAGCAGAGTGGAGGACAGGAAGGCGGACAAACAGCAAAGTGCTCCATTAAGA
 AAGCGGGGAAGAAGACGGCTCTCAAGACTAAGACAGCTAAAAAGGCAGCAAACCTTGCTCCGAAGTGGGT
 GGGGCACACAGAACCTTCTCGGAGATGGCTCAAGGAGGGGAGTCTCCAGTTCCTGCTCTCACTCAGGCC
 GTGGTCACCCCATCAGGATCTACTCAGACAGGCTCTCTTCTCCATGGATATTGCTCAGACAGAGCCTG
 CCCAGATGGACGTTTTCCAGACAGGGCCGCTCAGGTGCAGCGGCTCTTCTGTGGAGCCTCCCTCCCGTG
 GGAGCCGTCTCTCCTCAGGAGCCTCCCAAGTAGAGCCACCTGCCTGTGTGGAGCCTCCCTCCCGTG
 GAGCCTCCATGTCCATGGAGCCTGCTGAGATGGAACCGTCCCTCCATGGAGCCTTCCAGGTGGAGC
 CACCTCCTCATTTGGAGCCTCCGCTTCCATGGAGCTGCCTCAGGTGGAGCTGCCTCCTGTGGAGGATTG
 TCAGAAGGAGCTGCCTCCTGTGGAGCATGCTCAGACTAAGTTGCTCAGACAGGTCTACTCAGTGGGA
 GCTGTTCAGGAGGAGCCCTTTTCTGTCTCCGAGCCACCTCAAGTCAAGTAACCCAGAAGGTCATCTCC
 CGAAAGACCGTGCCAAGGAGAAGTTGAGCGTGTGAGTGAGATGGCGAGGCAGGAGCAGGTTCTTATTGA
 GGTGGCTTAGTGCTGTGAGATAGCCAGCTTCTGAAGGCCAGCAAGAGCGCACCGGACCTCCAGCC
 CCACCGTCAACCTGCCAAAGGGACACTTGAGAAGAGAAGAGACACCCAAGGACCAAGAAATGTTCTCTG
 ACGGGGAAGGAAATAAAGTATCCCTCTCGAGAAAGGAGGAACAGAGGAAGCTGGTGAGAGTCGAGCTGA
 GCTGGTGCTCCCATGGAATCTACCAAGTCTTATCCTCTGAACAAAGCTCAAATGCACCAGATGGTGAA
 ACATTACACAGCGAGTGTGAGGCTGACTCCACTGCGGTTTGTGAAATGGAAGTGGACTGAGCAGAAGA
 CAGACCGTGTCCCTCTGAAAGACTCAGCAGTAGAACCAAGTGTACCTCTTAACCCAAGAGTGGACCCTGA
 AGCAGCGGCACCAAGCTGTGGTGGCCTCCCTCTATCACTTTGGCCGAGTCTCAGGAAATGATGAGGAT
 GAAGGCATTACAGCCATGATGGAAGTGACCTGAGCGACAACATGTCTGAGGGGAGTGTACTCAGGAC
 TGCATGGGGCTCGCCAGCACCAAGGAAAGTACGTCAAAAAGTGGAAAGGAAGGTTGGCTGTCAAAGT
 AACTGAGGGAGAGTTTGTGTTGATTTTTGTGATCGTTCTTTAGAAAGGAAAAAGACTATAGCAAACAC
 CTAATCGCCATTTGGTTAATGTGTACTTCTTGAAGAAGCAGCTGAGGAGCAGGAGTAG

AGCGGACCGACGCTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_031788
- Insert Size:** 3210 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_031788.1](#), [NP_113976.1](#)
- RefSeq Size:** 3251 bp

RefSeq ORF:	3210 bp
Locus ID:	83618
UniProt ID:	<u>O54963</u>
Cytogenetics:	14p11
Gene Summary:	represses transcription of the AMPA receptor (AMPA) subunit GluR2 and other neural genes [RGD, Feb 2006]