

Product datasheet for **RN212346**

Eng (NM_001010968) Rat Untagged Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | Eng (NM_001010968) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Eng |
| Synonyms: | MGC124909 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >RN212346 representing NM_001010968
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCGTAGCATGCTCCCTCTGGTCATTACCCTGCTGTTGGTCATCTATAGTTCGTCGCCACAAGTC
 TTGCAGAAAGAGTCGGTTGTGATCTACAGCGTGTGGACTCCACAAGGGGTGAGGTGACATACACCACCAG
 CCAGGTCTCTGAGGGCTGTGTAGCTCAGGTTGCCAACGCTGCGCATGAAGTCCACGTTCTCTTCCTGAAT
 CTTTCCAGAAGGAAGTCCGAGGTGGAGTTGACTCTTCAAGCATCCAAGCAAAATGGCACTGAGACTCGGG
 AGGTGTTTCTGGTCTTCAATTCGAACGAGAATGTCTTGGTGAAGCTCCAGGCCCCAGAAATCCCACTGCA
 CTTGGTCTACAACCTCCAGCCTCGAGGTCTTCAAAGGACCAAAAGTCAACAGCACACCCTACCATCCTTT
 ACCTCAAAGACACAGATCCTCGACTGGCAGCCACCAAGGGCACCATTACCTCCATAGCAGCACTGGATG
 ACCCCAAAAGCATTGTCTCCGGCTGGGCCAAGACCCAAAGGCACCACCTTCTGCTTCCAGAAGCTCA
 GAAGGACATGGGGCTCACACTTGAATGGCAACCACGAACCCAGACACCAGTCCAAGGCTGCCACTTGGAA
 GGTGTGACTGGACACAAGGAGGCCATGTCTGAGGATTGATCAGGTTCTGAGGCCGGGCCCGGACAG
 TGACGGTAACGGTGAAACTGAGTTGCACATCTGGGGATGCCGTTCTCATCTGCAGGGTCCCCCGTACGT
 CTCTGGCTCATCGATACCAACCACAATATGCAGATCTGGACCACAGGTGAATACTCCATCAAGATCTTT
 CCAGAAAACAACATCAAAGGCTTCGAGCTCCAGACACACCCCAAGGCCTGATCGGGGAGGCCCGCAAGC
 TCAATGCCAGCATAGTAACCTTTGTAGAGATCCCTCTGACCAGTGATGTCTCCCTGACGGTCTCCAGCTG
 CGGTGGTGGGCTCCAGACCTCCCTGCACCAGTTGTGACCACACCTCCCAAGGACACGTGCAGCCCTGAG
 CTACTCATGTCCCTGATTCAGCCAAAGTGTGGCAATGACGTGATGACTCTGGCACTCAATAAAAACTCG
 TGCAGACTCTACAGTGCACCATCACAGGCTGGCTTTCTGGGACTCCAGCTGCCAGGCTAAAGACCAGGA
 CGGCCACCTTGTCTGAGTAGCACCTACTCCAGCTGCGGCATGAAAGTGACAGATCATGTGATCAGCAAC
 GAGGTGATCATCAATTTGCCATCAGGCTTACCACCACTTCGAAAAAGGTACAGTGCATCGACATGGACA
 GCCTCTCCTTCCAGCTGGGCTCTACCTCAGCCCGCACTTCTCCAGGCATCCAACACCATAGAGTAGG
 CCAGCAGGGCTTCGTACAGGTGAGCATGTCTCCATTGACCTCTGAGGTACAGTCCAGCTAGACAGCTGC
 CATCTGGATTGGGGCCAGAAGGTGACATGGTGGAACTCATCCAGAGTCGAGCAGCAAGGGCAGCTGTG
 TGAGCTTGCTGTCCCAAGCCCTGAGGGCGACCCAGTTCAGCTTTCTCCTCCGTGTCTACATGGTGCC
 CACACCCGAGCTGGCACCTCAGTTGCAACTTAGCCCTGCACCCTAGCACCTTGTCCAGGAAGTCTAC
 AAGACTGTCTCCATGCGCCTGAACATCGTCAGTCTGACCTGTCTGGCAAAGGCCTCGTCTGCCCTCTG
 TACTGGGCATCACCTTTGGTGCCTTCTCATTGGGGCCCTGCTCAGAGCTGCACTCTGGTACATCTATTC
 TCACACAGTGGCCCTAGCAAGCGGGAGCCCGTGGTGGCAGTGGCTGCCCGGCCCTCTCTGAGAGCAGC
 AGTACCAACCACAGCATCGGGAGCACCCAGAGCACCCCTGCTCCACCAGCAGCATGGCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1477_a06.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001010968

Insert Size: 1953 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_001010968.2](#), [NP_001010968.1](#)

RefSeq Size: 2918 bp

RefSeq ORF: 1953 bp

Locus ID: 497010

Cytogenetics: 3p11