

## Product datasheet for **RN206496**

### Repin1 (NM\_001005893) Rat Untagged Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | Repin1 (NM_001005893) Rat Untagged Clone |
| Tag:                      | Tag Free                                 |
| Symbol:                   | Repin1                                   |
| Synonyms:                 | Ap-4; Ap4                                |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**Fully Sequenced ORF:** >RN206496 representing NM\_001005893  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGGAACGGCGCTGCAGGGGCCACGGCCATGGGCCAGCCATCCCTGGCTTTTTCTGGGCCCT  
 CCCAGGAGTCTCCAGCCCAACAGAGGTTGAGGTATCAAGGCAATCAGTAGCACAGCCAGGAGGCC  
 AGCCCCAGTCAAGGTCCATCGTTGTGCCACTGTGGAAGCGTTTCCAGGCTGGGTGGCCCTGTGGCTT  
 CACACTCGGCGGTGCCAGGCCGGCTGCCTCTGCCCTGCCATGAGTGCAACCAGCGCTTTCGCCACGCC  
 CCTTCTTAGCGTGCATCTCAGGTTGCTTCTGCAGTCCCTGACCTGGGTTTCATCTGCCACCTATG  
 TGGGCATAGTTCGAGGCTGGGTAGCCCTGGTCTGCATCTGCGGGCTCACTCGGTTCAAAGAGGCC  
 ATCACTGTCTGAATGCAACAAACGCTTCTGGCGACAAAACAGCTTCGAGCTCACCTGCGGAGGTGCC  
 AGCCCCCTGCCCTGAGGCCCGCCCTTCATATGTGGCAACTGTGGCCGGAGCTTCGCCAATGGGACCA  
 GCTCGTTGTTACAAGAGGGTGCACGTGGCTGAGGCCCTGGAGGAGGCAGAGCCAAGGCCCTGGGTCT  
 CGCCCGGAGGAGCTCCTTCAGTGACTGCTCCAGGCCTGGTGGAGATGCTGTGGACCGCCCTTCCAGT  
 GTGCTGCTGCGCAAGCGCTTCCGCCACAAGCCAACTGATTGCCACCGCCGCTGCACACTGGCGA  
 GCGACCACACAGTGCCAGAGTGCAGGAAAGCGTTTACCAACAAGCCCTACCTGACCTCGCACCGCCGT  
 ATACATACGGGCGAGAAGCCCTACCCATGCACCGAGTGTGGCCGCGCTTCCGCCACAAACCCAACTGT  
 TGTGCGACAGTAAAATCCACAAGCGCTCAGAGGTCTCAGCGCAGGCTGCCTCCACACCGGGAGTCACTT  
 GATTGCAGCGGAGCCTATGGCACAACCTGCGCTTGGGGTGCCCTGGGGTCCCTGAGGACCCCGCCGAG  
 GCACCTGCGTCCCTGCATAGCTGCACTGACTGCGGCCGAGCTTCCGGCTGGAGCGTTCCTGCGGCTAC  
 ACCAGCGGCAGCACAGGCGAGAGGCCCTTACCTGCACAGAGTGTGGCAAGAACTTCGGCAAGAAAAC  
 GCACCTGGTGGCGCACTCACGCGTGCACTCGGGCGAGCGCCCTTTCCTGCGAGGAGTGTGGTCCCGT  
 TTCTCACAGGGCAGCCACTGGCAGCCACCGCGCGACCATGCCACAGAGAGACCCCTTGTGTGCCAG  
 ACTGCGCAAGGCTTTCGCCACAAGCCCTACCTGGCCGCGCACCAGCATCCACACAGGCGAGAAGCC  
 CTATGTGTGTCCGACTGTGGCAAAGCTTTCAGCCAGAAGTCCAACCTGGTGTCCACCGGCGCATCCAC  
 ACAGGTGAGCGGCCCTACGCTGCCCGACTGTGATCGCAGCTTCAGTCAGAAGTCCAACCTTATCACAC  
 ACCGGAAGAGCCACATCCGGGATGGCGCCTTCTGCTGTGCCATCTGCGGCCAGACCTTTGACGATGAGGA  
 CCGTCTTTGATGCACCAGAAGAAGCACGATGCC**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_001005893

**Insert Size:** 1647 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\\_001005893.1](#), [NP\\_001005893.1](#)

**RefSeq Size:** 1716 bp

**RefSeq ORF:** 1647 bp

**Locus ID:** 445541

**UniProt ID:** [Q68H95](#)

**Cytogenetics:** 4q24

**Gene Summary:** Sequence-specific double-stranded DNA-binding protein required for initiation of chromosomal DNA replication. Binds on 5'-ATT-3' reiterated sequences downstream of the origin of bidirectional replication (OBR) and a second, homologous ATT sequence of opposite orientation situated within the OBR zone. Facilitates DNA bending (By similarity).  
[UniProtKB/Swiss-Prot Function]