

## Product datasheet for **MC228244**

### Repin1 (NM\_175099) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Repin1 (NM_175099) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Repin1
Synonyms:	AI425994; Ap4; E430037F08Rik; Zfp-464; Zfp464
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC228244 representing NM\_175099  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGGAACAGCGCTGCAGGGGCCACGGCCATGGGCCAGCTCAGCCCTGGCTCTTTCTGGGCCCT  
 CCCAGGAGTCTCCAGCCGACAGAGGTTGAGGTACCAGGGCAAATCAGCTCAGCCAAGAGGCCAAAC  
 CCCAGGCAAGGTCCATCGTTGTGCCACTGTGGAAGCGCTTCCCGGGCTGGGTGGCCCTGTGGCTTCAT  
 GCTCGGCGGTGCCAGGCCGGCTGCCTCTGCCCTGCCATGAATGCAACCAGCGCTTTCGCCACGCCCCCT  
 TCTTAGCGCTGCATCTCAGGTTTCATGCTTCTGCAGTCCCGACCTGGGTTTCATCTGCCACCTATGTGG  
 GCATAGCTTCCGAGGATGGGTAGCCCTGGTTCGCATCTGCGGGCTCACTCAGCTTCAAAGCGGCCCATC  
 ACTTGCCTGAATGCGACAGACGCTTCTGGCGAAAAACAGCTTCGAGCTCATCTCGAAGGTGCCAGC  
 CCCCTGTCCCTGAGGCCCGCCCTTCATATGCGGCAACTGTGGCCGGAGCTTTGCCCAATGGGACCAACT  
 GGTGTTCACAAGCGGGTGCACGTGGCTGAGGCCTTGGAGGAGCAGCAGCCAAAGCCCTGGGTCTCGC  
 CCACGAGGACGTCCCGCAGCTCCAGGCCTGGTGGAGACGCTGTGGACCGCCCTTCAGTGTGCCTGT  
 GCGGCAAGCGTTTCCGCCACAAGCCCAATCTGATCGCCACCGCCGCGTGCACACTGGTGTGAGCGACCACA  
 CCAGTGCCAGAGTGGGGAAGCGTTTACCAACAAGCCCTACCTGACCTCGCACCGGCGCATACATACC  
 GGCGAGAAGCCCTACCCATGCACCGAGTGTGGCCGCGCTTCCGCCACAAACCCAACTGTTGTGCGACA  
 GCAAAATCCACAAGCGCTTGGAGGTCTCAGCGCAGGCTGCCACACCCCCGAGAGTACCAGATTGCAGC  
 AGAGCCTATGGCACAACCTGCACTTGGGGTCCCCTGGGGTCCCCGGGACCCAGCTGAGGCACCTGGC  
 CTCTGCATAGCTGCTCCGACTGCGGCCGACGTTCCGGCTGGAGCGCTTCTGCGGCTACACCAGAGGC  
 AGCACACAGGGGAGAGGCCCTTGCCTGCACAGAGTGTGGAAGAAGTTCGGCAAGAAGACGCACCTGGT  
 GGCGCACTCACGCGTGCCTCCGGCGAACGTTCCCTTCGCTGCGAGGAGTGTGGTCCCGTTTCTCACAG  
 GGCAGCCACCTGGCAGCCACCGCGGAGACCATGCACCAGAGAGGCCCTTCGTGTGCCCGGACTGCGGCA  
 AGGCTTCCGCCACAAGCCCTACCTGGCTGCGCACCGACGCATCCACACAGGCGAGAAACCCATGTGTG  
 TCCCGACTGTGGCAAAGCTTTCAGTCAGAAGTCCAACCTGGTGTCCACCGGCGCATCCACACAGGCGAG  
 CGGCCCTACGCTGCCCGACTGTGATCGTAGCTTCAGTCAGAAGTCCAATCTTATCACACCGGAAGA  
 GCCACATCCGGGATGGCGCTTCTGTTGTGCCATCTGTGGCCAGACCTTTGATGACGAGGACCGACTCTT  
 GATGCACCAGAAGAAGCATGATGCC**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_175099

**Insert Size:** 1638 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).

**OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

**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\\_175099.3](#), [NP\\_780308.2](#)

**RefSeq Size:** 2991 bp

**RefSeq ORF:** 1638 bp

**Locus ID:** 58887

**UniProt ID:** [Q5U4E2](#)

**Cytogenetics:** 6 B2.3

**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]

Transcript Variant: This variant (5) lacks a portion of the 5' UTR and 5' coding region, and uses a downstream in-frame start codon, compared to variant 1. The encoded isoform (e) is shorter at the N-terminus, compared to isoform a. Both variants 5 and 6 encode isoform e.