

Product datasheet for **MC218832**

Repin1 (NM_001079905) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Repin1 (NM_001079905) 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: >MC218832 representing NM_001079905
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGAACAGCGCTGCAGGGGCCACGGCCATGGGCCAGCTCAGCCCTGGCTCTTTCTGGGCCCT
 CCCAGGAGTCTCCAGCCCGACAGAGGTTGAGGTACCAGGGCAAATCAGCTCAGCCAAGAGGCCAAAC
 CCCAGGCAAGGTCCATCGTTGTGCCACTGTGCGAAGCGCTTCCCGGGCTGGGTGGCCCTGTGGCTTCAT
 GCTCGGCGGTGCCAGGCCGGCTGCCTCTGCCCTGCCATGAATGCAACCAGCGCTTTCGCCACGCCCCCT
 TCTTAGCGCTGCATCTCAGGTTTCATGCTTCTGCAGTCCCGACCTGGGTTTCATCTGCCACCTATGTGG
 GCATAGCTTCCGAGGATGGGTAGCCCTGGTCTGCATCTGCGGGCTCACTCAGCTTCAAAGCGGCCCATC
 ACTTGCCTGAATGCGACAGACGCTTCTGGCGAAAAACAGCTTCGAGCTCATCTCGAAGGTGCCAGC
 CCCCTGTCCCTGAGGCCCGCCCTTCATATGCGGCAACTGTGGCCGGAGCTTTGCCCAATGGGACCAACT
 GGTGTTCACAAGCGGGTGCACGTGGCTGAGGCCTTGGAGGAGCAGCAGCCAAAGCCCTGGGTCTCGC
 CCACGAGGACGTCCCGCAGCTCCAGGCCTGGTGGAGACGCTGTGGACCGCCCTTCCAGTGTGCCTGCT
 GCGGCAAGCGTTTCCGCCACAAGCCCAATCTGATCGCCACCGCCGCGTGCACACTGGTGAAGCACCACA
 CCAGTGCCAGAGTGCGGGAAGCGTTTACCAACAAGCCCTACCTGACCTCGCACCGGCGCATACATACC
 GGCGAGAAGCCCTACCCATGCACCGAGTGTGGCCGCGCTTCCGCCACAAACCCAACTGTTGTCGCACA
 GCAAAATCCACAAGCGCTTGGAGGTCTCAGCGCAGGCTGCCCCACACCCCGAGAGTACCAGATTGCAGC
 AGAGCCTATGGCACAACCTGCACTTGGGGTGCCCTGGGGTCCCGCGGACCCAGCTGAGGCACCTGGC
 CTCTGCATAGCTGCTCCGACTGCGGCCGACGTTCCGGCTGGAGCGCTTCTGCGGCTACACCAGAGGC
 AGCACACAGGGGAGAGGCCCTTGCCTGCACAGAGTGTGGAAGAAGTTCGGCAAGAAGACGCACCTGGT
 GGCGCACTCACGCGTGCCTCCGGCGAAGCTCCCTTCCGCTGCGAGGAGTGTGGTCCCGTTTCTCACAG
 GGCAGCCACCTGGCAGCCACCGCGGAGACCATGCACCAGAGAGGCCCTTCGTGTGCCCGGACTGCGGCA
 AGGCTTCCGCCACAAGCCCTACCTGGCTGCGCACCGACGCATCCACACAGGCGAGAAACCCATGTGTG
 TCCCGACTGTGGCAAAGCTTTCAGTCAGAAGTCCAACCTGGTGTCCACCGGCGCATCCACACAGGCGAG
 CGGCCCTACGCTGCCCGACTGTGATCGTAGCTTTCAGTCAGAAGTCCAATCTTATCACACCGGAAGA
 GCCACATCCGGGATGGCGCTTCTGTTGTGCCATCTGTGGCCAGACCTTTGATGACGAGGACCGACTCTT
 GATGCACCAGAAGAAGCATGATGCC**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_001079905
- 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).
- 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_001079905.1](#), [NP_001073374.1](#)

RefSeq Size: 2988 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 (6) 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.