

Product datasheet for **MC228413**

Repin1 (NM_001079902) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Repin1 (NM_001079902) 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: >MC228413 representing NM_001079902
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGATAGGGATGTCTTTATTGCTACAGTTTCTCTGTGCATCCGGGGCTACCGAAGTGTGGCCGAA
 GCAGCCGAAGTCTCCCCAGGAACATCCCAGAAGGAGCTGGAAAAGCCTCACCCCCAGCTTTCAGTCT
 TCAGGAGGAAGAACCGATGCTGGAACAGCGCTGCAGGGCCCCACGGCCATGGGCCAGCTCAGCCCTGG
 CTCTTTTCTGGGCCCTCCAGGAGTCTCCAGCCGACAGAGGGTTGAGGTACCAGGGCAAATCAGCTC
 AGCCAAGAGGCCAAACCCAGGCAAGGTCCATCGTTGTGCCACTGTGGAAGCGCTTCCGGGCTGGGT
 GGCCCTGTGGTTCATGCTCGGCGGTGCCAGGCCCGGCTGCCCTGCCATGAATGCAACCAGCGC
 TTTGCCACGCCCCCTTCTTAGCGCTGCATCTCAGGTTATGCTTCTGCAGTCCCCGACCTGGGTTTCA
 TCTGCCACCTATGTGGGCATAGCTTCCGAGGATGGGTAGCCCTGGTTCGCATCTGCGGGCTCACTCAGC
 TTCAAAGCGGCCCATCACTTGCCCTGAATGCGACAGACGCTTCTGGCGACAAAAACAGCTTCGAGCTCAT
 CTGCGAAGGTGCCAGCCCCCTGTCCCTGAGGCCCGCCCTTCATATGCGGCAACTGTGGCCGGAGCTTTG
 CCCAATGGGACCAACTGGTTGTTCAAGCGGGTGCACGTGGCTGAGGCCTGGAGGAGGAGCAGCAGCCAA
 AGCCCTGGGTCTCGCCACGAGGACGTCCCGCAGCTCCAGGCCCTGGTGGAGACGCTGTGGACGCCCC
 TTCCAGTGTGCCTGCTGCGGCAAGCGTTTCCGCCACAAGCCCAATCTGATCGCCACCGCCGCGTGCACA
 CTGGTGAGCGACCACACAGTGCCAGAGTGGCGGAAGCGTTTACCAACAAGCCCTACCTGACCTCGCA
 CCGGCGCATACATACCGGCGAGAAGCCCTACCCATGCACCGAGTGTGGCCGCGCTTCCGCCACAAACC
 AACCTGTTGTGCGACAGCAAAAATCCACAAGCGCTTGGAGGTCTCAGCGCAGGCTGCCCCACACCCGAGA
 GTCACCCAGATTGCAGCAGAGCCTATGGCACAACCTGCACCTGGGGTGGCCCTGGGGTCCCCGCGACCCC
 AGCTGAGGCACCTGCGCTCCTGCATAGCTGCTCCGACTGCGGCCGAGCTTCCGGCTGGAGCGCTTCTG
 CGGCTACACCAGAGGCAGCACACAGGGAGAGGCCCTTCGCTGCACAGAGTGTGGCAAGAACTTCGGCA
 AGAAGACGCACCTGGTGGCGCACTCACGCTGCACTCCGGCGAACGTCCCTTCGCTGCGAGGAGTGTGG
 TCGCCGTTTCTCACAGGGCAGCCACCTGGCAGCCACCGGCGAGACCATGCACCAGAGAGGCCCTTCGTG
 TGCCCGGACTGCGGCAAGGCTTTCGCCACAAGCCCTACCTGGCTGCGCACCGACGCATCCACACAGGCG
 AGAAACCTATGTGTGCCGACTGTGGCAAAGCTTTCAGTCAGAAGTCCAACCTGGTGTCCACCGGCG
 CATCCACACAGGCGAGCGGCCCTACGCCTGCCCGACTGTGATCGTAGCTTCAGTCAGAAGTCCAATCTT
 ATCACACACCGGAAGAGCCACATCCGGGATGGCGCCTTCTGTTGTCCATCTGTGCCAGACCTTTGATG
 ACGAGGACCGACTCTTGATGCACCAGAAGAAGCATGATGCC**TGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_001079902
- Insert Size:** 1794 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_001079902.1](#), [NP_001073371.2](#)

RefSeq Size: 3174 bp

RefSeq ORF: 1794 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 (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in an isoform (b) that is 1 aa shorter than isoform a.