

Product datasheet for **MC228415**

Repin1 (NM_001079901) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Repin1 (NM_001079901) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Repin1
Synonyms:	AI425994; Ap4; E430037F08Rik; Zfp-464; Zfp464
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC228415 representing NM_001079901
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGGGATAGGGATGTCTTTATTGCTACAGTTTCTCTGTGCATCCGGGGCTACCGAAGTGTGGCCGAA
 GCAGCCGAAGTCTCCCCAGGAACATCCCAGAAGGAGCTGGAAAAAGCCTCACCCACAGCTTTCAGTCT
 TCAGGCAGAGGAAGAACCGATGCTGGAACAGCGCTGCAGGGGCCACCGCCATGGGCCAGCTCAGCC
 TGGCTCTTTCTGGGCCCTCCAGGAGTCTCCAGCCGACAGAGGGTTGAGGTACCAGGGCAAATCAG
 CTCAGCCAAGAGGCCAAACCCAGGCAAGGTCCATCGTTGTGCCACTGTGGAAGCGCTTCCGGGCTG
 GGTGGCCCTGTGGCTTTCATGCTCGCGGTGCCAGGCCGGCTGCCTCTGCCCTGCCATGAATGCAACCAG
 CGTTTTGCCACGCCCCCTTCTAGCGTGCATCTTCAGGTTTCATGCTTCTGCAGTCCCCGACCTGGGT
 TCATCTGCCACCTATGTGGCATAGCTCCGAGGATGGGTAGCCCTGGTTCGCATCTGGGGCTCACTC
 AGCTTCAAAGCGCCCATCACTTGCCCTGAATGCGACAGACGCTTCTGGGACAAAAACAGCTTCGAGCT
 CATCTGCGAAGGTGCCAGCCCCCTGTCCCTGAGGCCCGGCCCTTCATATGCGGCAACTGTGGCCGGAGCT
 TTGCCCAATGGGACCAACTGGTTGTTCAAGCGGGTGCACGTGGCTGAGGCCTTGAGGAGGCAGCAGC
 CAAAGCCCTGGGTCTCGCCACGAGGACGTCCCGCAGCTCCAGGCCTGGTGGAGACGCTGTGGACCGC
 CCCTCCAGTGTGCTGCTGCGCAAGCGTTTCCGCCACAAGCCCAATCTGATCGCCACCGCCGCGTGC
 ACACTGGTGAGCGACCACACAGTGCAGAGTGCAGGGAAGCGTTTACCAACAAGCCCTACCTGACCTC
 GCACCGGCGCATACATACCGGCGAGAAGCCCTACCCATGCACCGAGTGTGGCCGCGCTTCCGCCAAAA
 CCCAACCTGTTGTCGACAGCAAAATCCACAAGCGCTTGAGGTTCTCAGCGCAGGCTGCCCCACACCCCG
 AGAGTCACAGATTGCAGCAGAGCCTATGGCACAACCTGCACTTGGGGTGCCCTGGGGTCCCCGCGGAC
 CCCAGCTGAGGCACCTGCGCTCCTGCATAGCTGCTCCGACTGCGGCCGACGTTCCGGCTGGAGCGCTTC
 CTGCGGTACACCAGAGGCAGCACAGGGGAGAGGCCCTTCGCTGCACAGAGTGTGGCAAGAACTTCG
 GCAAGAAGACGCACCTGGTGGCGCACTCACGCGTGCACCTCCGGCGAACGTCCTTCGCTGCGAGGAGTG
 TGGTCGCCGTTTCTCACAGGGCAGCCACCTGGCAGCCACCGGCGAGACCATGCACCAGAGAGGCCCTTC
 GTGTGCCCGGACTGCGGCAAGGCTTCCGCCACAAGCCCTACCTGGCTGCGCACCGACGCATCCACACAG
 GCGAGAAACCCTATGTGTGTCCGACTGTGGCAAAGCTTTCAGTCAGAAGTCCAACCTGGTGTCCCACCG
 GCGCATCCACACAGGCGAGCGGCCCTACGCTGCCCGACTGTGATCGTAGCTTCAGTCAGAAGTCCAAT
 CTTATCACACACCGGAAGAGCCACATCCGGGATGGCGCCTTCTGTTGTGCCATCTGTGGCCAGACCTTTG
 ATGACGAGGACCGACTTTGATGCACCAGAAGAAGCATGATGCC**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001079901

Insert Size: 1797 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_001079901.1](#), [NP_001073370.2](#)

RefSeq Size: 3177 bp

RefSeq ORF: 1797 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 (1) represents the longest transcript and encodes isoform a.