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Product datasheet for MC228425

Repin1 (NM_001079904) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Repin1 (NM_001079904) 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)

Fully Sequenced ORF:

>MC228425 representing NM_001079904
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATGGGCGCTGCGTCCCTGGAGGGCACGCGGGAGAGTTTTCTCTGTCATCCGGGGGCTACCGAAGTG
TGGGCCGAAGCAGCCGAAGTCTCCCCAGGAACATCCCCAGAAGGAGCTGGAAAAAGCCTCACCCCCAGCT
CTTCAGTCTTCAGGAGGAAGAACCGATGCTGGAACAGCGCTGCAGGGGCCCCACGGCCATGGGCCCAGCT
CAGCCCTGGCTCTTTTCTGGGCCCTCCCAGGAGTCCTCCCAGCCCGACAGAGGGTTGAGGTACCAGGGCA
AATCAGCTCAGCCAAGAGGCCAAACCCCAGGCAAGGTCCATCGTTGTGCCCACTGTCGGAAGCGCTTCCC
GGGCTGGGTGGCCCTGTGGCTTCATGCTCGGCGGTGCCAGGCCCGGCTGCCTCTGCCCTGCCATGAATGC
AACCAGCGCTTTCGCCACGCCCCCTTCTTAGCGCTGCATCTTCAGGTTCATGCTTCTGCAGTCCCCGACC
TGGGTTTCATCTGCCACCTATGTGGGCATAGCTTCCGAGGATGGGTAGCCCTGGTTCTGCATCTGCGGGC
TCACTCAGCTTCAAAGCGGCCCATCACTTGCCCTGAATGCGACAGACGCTTCTGGCGACAAAAACAGCTT
CGAGCTCATCTGCGAAGGTGCCAGCCCCCTGTCCCTGAGGCCCGGCCCTTCATATGCGGCAACTGTGGCC
GGAGCTTTGCCCAATGGGACCAACTGGTTGTTCACAAGCGGGTGCACGTGGCTGAGGCCTTGGAGGAGGC
AGCAGCCAAAGCCCTGGGTCCTCGCCCACGAGGACGTCCCGCAGCTCCCAGGCCTGGTGGAGACGCTGTG
GACCGCCCCTTCCAGTGTGCCTGCTGCGGCAAGCGTTTCCGCCACAAGCCCAATCTGATCGCCCACCGCC
GCGTGCACACTGGTGAGCGACCACACCAGTGCCCAGAGTGCGGGAAGCGTTTCACCAACAAGCCCTACCT
GACCTCGCACCGGCGCATACATACCGGCGAGAAGCCCTACCCATGCACCGAGTGTGGCCGCCGCTTCCGC
CACAAACCCAACCTGTTGTCGCACAGCAAAATCCACAAGCGCTTGGAGGTCTCAGCGCAGGCTGCCCCAC
ACCCCGAGAGTCACCAGATTGCAGCAGAGCCTATGGCACAACCTGCACTTGGGGTGCCCCTGGGGTCCCC
GCGGACCCCAGCTGAGGCACCTGCGCTCCTGCATAGCTGCTCCGACTGCGGCCGCAGCTTCCGGCTGGAG
CGCTTCCTGCGGCTACACCAGAGGCAGCACACAGGGGAGAGGCCCTTCGCCTGCACAGAGTGTGGCAAGA
ACTTCGGCAAGAAGACGCACCTGGTGGCGCACTCACGCGTGCACTCCGGCGAACGTCCCTTCGCCTGCGA
GGAGTGTGGTCGCCGTTTCTCACAGGGCAGCCACCTGGCAGCCCACCGGCGAGACCATGCACCAGAGAGG
CCCTTCGTGTGCCCGGACTGCGGCAAGGCTTTCCGCCACAAGCCCTACCTGGCTGCGCACCGACGCATCC
ACACAGGCGAGAAACCCTATGTGTGTCCCGACTGTGGCAAAGCTTTCAGTCAGAAGTCCAACCTGGTGTC
CCACCGGCGCATCCACACAGGCGAGCGGCCCTACGCCTGCCCCGACTGTGATCGTAGCTTCAGTCAGAAG
TCCAATCTTATCACACACCGGAAGAGCCACATCCGGGATGGCGCCTTCTGTTGTGCCATCTGTGGCCAGA
CCTTTGATGACGAGGACCGACTCTTGATGCACCAGAAGAAGCATGATGCCTGA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_001079904

Insert Size: 1803 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_001079904.1, NP_001073373.2
RefSeq Size:	3103 bp
RefSeq ORF:	1803 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 (4) differs in the 5' coding region, uses an alternate in-frame splice site, and uses an alternate start codon, compared to variant 1. The encoded isoform (d) has a distinct and longer N-terminus, compared to isoform a.