

Product datasheet for MR201594

Adi1 (NM_134052) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Adi1 (NM_134052) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Adi1
Synonyms: AL024210; Fe-ARD; MTCBP-1; Ni-ARD
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201594 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGTGCAGGCCTGGTATATGGACGAGTCCACCGCCGACCCGCGGAAGCCCCACCGCGCACAGCCCGACC
 GCCCGTGAGCCTGGAGCAGCTGCGCACGCTCGGAGTGTCTATTGGAAGCTAGATGCTGACAAGTATGA
 GAACGATCCAGAACTGAAAAGATCCGAAAATGAGAACTACTCCTGGATGGACATCATCACCATATGC
 AAAGATACACTTCCCAATTACGAGGAGAAGATCAAGATGTTCTTTGAGGAACATCTGCATCTGGATGAGG
 AGATCCGCTACATCCTGGAGGGCAGTGGTACTTCGATGTCAGGGACAAGGAGGACAAGTGGATCCGGAT
 TTCCATGGAGAAGGGGGACATGATTACTTCTCCTGCTGGCATCTATCACCCTTACACTGGACGAGAAG
 AATTACGTGAAGCCATGCGGCTGTTTGTGGAGAACCCTGTGTGGACACCATACAACCGCCAGCTGACC
 ATTTTGTATGCCCGTGTACAGTACATGAGTTTTTTGGAAGGAACAGCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201594 protein sequence
 Red=Cloning site Green=Tags(s)

MVQAWYMDDESTADPRKPHRAQPDRPVLSLEQLRTLGLVLYWKLADADKYENDPELEKIRKMRNYSWMDIITIC
 KDTLPNYEEKIKMFFEEHLHLDEEIRYILEGSGYFDVRDKEDKWIRISMEKGMITLPAGIYHRFTLDEK
 NYVKAMRLFVGEVWTPYNRPADHFDARVQYMSFLEGTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



Cloning Scheme:


ACCN: NM_134052

ORF Size: 540 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_134052.1](#)

RefSeq Size: 1676 bp

RefSeq ORF: 540 bp

Locus ID: 104923

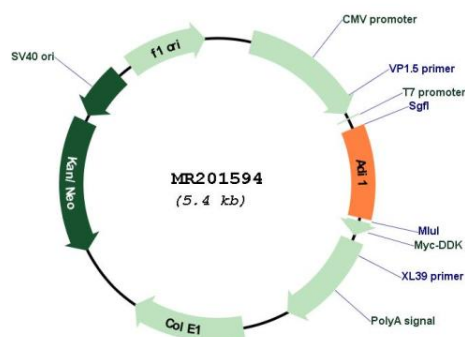
UniProt ID: [Q99JT9](#)

Cytogenetics: 12 A2

MW: 21.5 kDa

Gene Summary: Catalyzes the formation of formate and 2-keto-4-methylthiobutyrate (KMTB) from 1,2-dihydroxy-3-keto-5-methylthiopentene (DHK-MTPene) (PubMed:26858196). Also down-regulates cell migration mediated by MMP14.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201594