

## Product datasheet for **MG201594**

### Adi1 (NM\_134052) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Adi1 (NM\_134052) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Adi1  
**Synonyms:** AL024210; Fe-ARD; MTCBP-1; Ni-ARD  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG201594 representing NM\_134052  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGTGCAGGCCTGGTATATGGACGAGTCCACCGCCGCCGGAAGCCCCACCGCGCACAGCCCGACC  
 GCCCGTGAGCCTGGAGCAGCTGCGCACGCTCGGAGTGTCTATTGGAAGCTAGATGCTGACAAGTATGA  
 GAACGATCCAGAACTGAAAAGATCCGAAAATGAGAACTACTCTGGATGGACATCATCACCATATGC  
 AAAGATACTTCCCAATTACGAGGAGAAGATCAAGATGTTCTTTGAGGAACATCTGCATCTGGATGAGG  
 AGATCCGCTACATCCTGGAGGGCAGTGGTACTTCGATGTCAGGGACAAGGAGGACAAGTGGATCCGGAT  
 TTCCATGGAGAAGGGGGACATGATTACTTCTCTGCTGGCATCTATCACCCTTCCACTGGACGAGAAG  
 AATTACGTGAAGGCCATGCGGCTGTTTGTGGAGAACCCTGTGTGGACACCATACAACCGCCAGCTGACC  
 ATTTTGTGCCCGTGTACAGTACATGAGTTTTTTGGAAGGAACAGCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG201594 representing NM\_134052  
 Red=Cloning site Green=Tags(s)

MVQAWYMDESTADPRKPHRAQDPDPVSLEQLRTLGLVLYWKLADADKYENDPELEKIRKMRNYSWMDIITIC  
 KDTLPNYEEKIKMFFEEHLHLDEEIRYILEGSGYFDVRDKEDKWIRISMEKGDMITLPAGIYHRFTLDEK  
 NYVKAMRLFVGEVWTPYNRPADHFDARVQYMSFLEGT

**TRTRPLE** - GFP Tag - V

**Restriction Sites:** SgfI-MluI



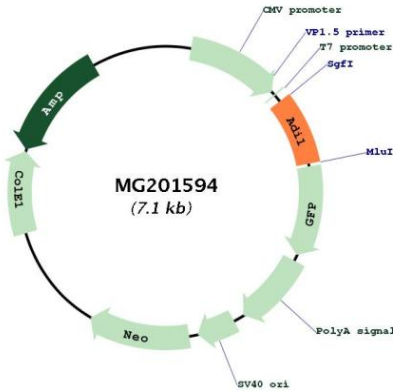
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**Cytogenetics:** 12 A2

**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 MG201594