

Product datasheet for **RR214657**

Idi1 (NM_053539) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Idi1 (NM_053539) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Idi1
Synonyms: MGC108635
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214657 representing NM_053539
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGGCGCGGACGGGCACTGGCAGGAGTGATTGGATCAGCTCTTAAGGGCGGGGTCTGGAGGCGGAGC
ATGCTGCCGAGAGCGTTGAAGTACGGCGCTCCGCACAGCTTCTCGATACTCCTCTCTGGAATCGCTGTGT
TCTAGGTCAGATCAGACATTCTGTCAAAATGCCTGAAATCAATGCCAGCAATCTTGATGAAAAACAGGTT
CAGCTTCTAGCAGAGATGTGATTCTTATTGATGAAAATGACAATAAAATTGGGGCTGACACCAAGAAAA
ATTGTCACCTGAATGAAAACATTGACAAAAGGACTAATACATCGAGCTTTTCAGTGTCTTCTGTTAATAC
TGAAAACAAGCTCCTGTTACAGCAGAGATCGGATGCTAAAATTACCTTTCCAGGTTGTTTCACCAATAGT
TGCTGTAGTCAATCCATTAATAACCCCGGGGAGCTGGAAGAAAATGATGCCATGGGTGTCAAACGAGCAG
CACAGAGGCGCTTAAAGGCGGAGCTGGGGATACCCTTGAAGAGGTTGATCTAAATGAAATGAATTATCT
ACAAGAATTTACTACAAGGCCAATCTGATGGTATCTGGGGTGAACATGAAATTGATTACATTTTGT
CTGAGGAAGAATGTAACCCTGAATCCGGATCCCAACGAGATTAAGCTATTGCTATGTATCAAAGGAAG
AACTCAAAGAAATTTTGAAGAAGGAAGCCAGGGCGAAATTAAGTTAACTCCATGGTTTAAAGATTATTGC
AGACGCTTTTCTCTTAAATGGTGGGATAACTTAACCATTGAGTCTTTTGTGACCATGAGAAAAATA
CATAGAATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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MWRGRALAGVIGSALKGRGLEAEHAAESVEVRRSAQLLDTPLWNRCVLGQIRHSVTMPEINASNLDKQV
 QLLAEMCILIDENDNKIGADTKKNCHLNENIDKGLIHRAFSVFLFNTENKLLQQRSDAKITFPGCFTNS
 CESHPLNPNPELEENDAMGVKRAAQRRKAEIGIPLEEVDLNEMNYL TRIYYKAQSDGIWGEHEIDYILF
 LRKNVTLNPDPNEIKSYCVYSKEELKEILKKEARGEIKLTPWFKI IADAF LFKWWDNLNHLSPFVDHEKI
 HRM

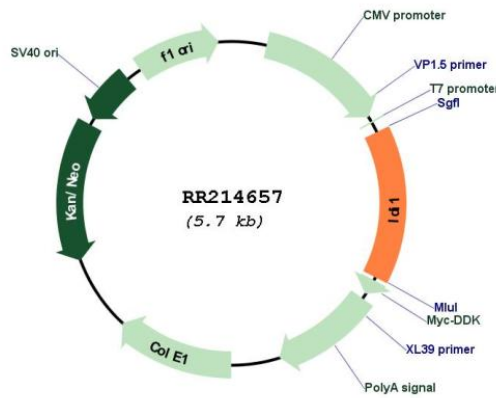
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_053539

ORF Size: 849 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:	<ol style="list-style-type: none">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_053539.2 , NP_445991.2
RefSeq Size:	2817 bp
RefSeq ORF:	852 bp
Locus ID:	89784
UniProt ID:	O35760
Cytogenetics:	17q12.1
MW:	32.5 kDa
Gene Summary:	catalyzes the interconversion of isopentenyl diphosphate to dimethylallyl diphosphate; an important component of the isoprenoid biosynthetic pathway [RGD, Feb 2006]