

Product datasheet for MR202677

Idi1 (NM_177960) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Idi1 (NM_177960) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Idi1
Synonyms:	4832416K17Rik; MGC8139; MGC118013
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202677 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCTGAAATAAATACCAGCCATCTTGATGAAAAACAGGTTTCAGCTTCTAGCGGAGATGTGTATTCTTA
TTGATGAAAATGACAATAAAATGGGGCTGACACCAAGAAAACTGTCACCTTAATGAAAACATCGACAA
AGGATTATTACATCGAGCTTTTAGTGTCTTCTTGTTAACTGAAAATAAGCTCCTGTTACAGCAGAGA
TCAGATGCTAAAATTACCTTTCCAGTTGTTTCACCAATAGTTGCTGTAGTCATCCATTAAGTAACCCAG
GCGAGCTGGAAGAGAACAACGCCATTGGTGTGAAGCGAGCAGCAAAGCGGCGCTTAAAGCCGAGTTGGG
AATACCCTTGGAAGAGGTTGATCTAAATGAAATGGATTATCTAACAAGAAATTTACTACAAGCCCAATCT
GATGGTATCTGGGGTGAACATGAAGTTGATTACATTCTGTTTCTGAGGAAGAATGTAACCTTGAATCCAG
ATCCCAACGAGATTAAGCTATTGCTATGTATCAAAGGAAGAAGTCAGAGAAAATTTGAAGAAGGCAGC
CAGTGGTGAATTAAGTTAACTCCGTGGTTAAGATAATTGCAGATACTTCTCTTCAAATGGTGGGAT
AACTTAAACATTTGAGTCCATTTGTTGACCATGAGAAAATACATAGATTG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202677 protein sequence
Red=Cloning site Green=Tags(s)

MPEINTSHLDEKQVQLLAEMCILIDENDNKIGADTKKNCHLNENIDKGLLHRAFSVFLFNTENKLLLQQR
SDAKITFPGCFTNSCCSHPLSNPGELEENNAIGVKRAAKRRLKAELGIPLEEVDLNEMDYLTRIYYKAQS
DGIWGEHEVDYILFLRKNVTLNPDNPNEIKSYCVSKEEVREILKKAASGEIKLTPWFKIIADTFLFKWWD
NLNHLSPFVDHEKIHRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_177960

ORF Size: 684 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_177960.2](#), [NP_808875.1](#)

RefSeq Size: 2883 bp

RefSeq ORF: 684 bp

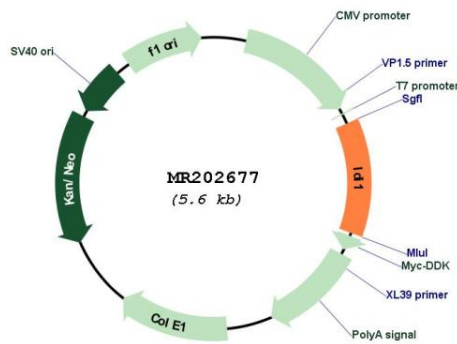
Locus ID: 319554

Cytogenetics: 13 A1

MW: 26.3 kDa

Gene Summary: Catalyzes the 1,3-allylic rearrangement of the homoallylic substrate isopentenyl (IPP) to its highly electrophilic allylic isomer, dimethylallyl diphosphate (DMAPP).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202677