

Product datasheet for **MC214473**

Idi2 (NM_177197) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Idi2 (NM_177197) Mouse Untagged Clone
Tag: Tag Free
Symbol: Idi2
Synonyms: 4833405L16Rik; IPPI2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC214473 representing NM_177197
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTCCAGGCAAGCAAACTCACCTTGATGAACTCCAGCTCAAACGTCTGGAGGAGATGTGCATTGTCA
TTGACAAGCAGGATCAGATCATTGGGGCTGACACCAAGAAGAACTGTACCTCATGGAAAACATCAACAA
GGGTCTGCTACACAGAGCCTTCAGTGTGGTCCTTTTCAACATGAAAAACGAGCTCTTGGTCCAGCAGAGA
GCAGATGCCAAGTACACATTTCCAGGACATTTTACAGACTCCTGTTCTAGTCACCCTCTGTATGTGCCTG
AGGAGCTGGAAGAGAAGGATGCCTTGGGAGTGAGGAGGGCAGCCCTAAGACGTCTGCAGGCTGAGCTGGG
CATCTCCAGGACCAGATTTCCATAAAGGACATAATCTTCATGACCCGAAAATACCACAAGTGTCAGTCA
GATGCTATCTGGGGAGAACATGAGATTGGCTACCTTCTGTTGGTGAGAAAAGATCTTATGCTAAACCCAG
ATACCAGGGAAGTGAGACGCTGCTGCTACATGAGCCAGAAGGACGTGCAGGAGCTACTGGACAGGGAGGC
CCGAGGAGAAGAAAAGATCACCCCTTGGTTCAGAAGCATGGTAGAGGATTTCTGTCTCTTGGTGGCCT
CATTTAGAGGATGTGTCTTCATTCGTGGAGCCTGACAAGATATATGGACTG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_177197
Insert Size: 684 bp



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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).
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:	<u>NM_177197.4</u> , <u>NP_796171.1</u>
RefSeq Size:	2243 bp
RefSeq ORF:	684 bp
Locus ID:	320581
UniProt ID:	<u>Q8BFZ6</u>
Cytogenetics:	13 A1
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]