

Product datasheet for **MG215202**

Idi2 (NM_177197) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Idi2 (NM_177197) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Idi2
Synonyms:	4833405L16Rik; IPPI2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG215202 representing NM_177197 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCCAGGCAAGCAAACTCACCTTGATGAACTCCAGCTCAAACGTCTGGAGGAGATGTGCATTGTCA
TTGACAAGCAGGATCAGATCATTGGGGCTGACACCAAGAAGAAGTGTACCTCATGGAAAACATCAACAA
GGGTCTGCTACACAGAGCCTTCAGTGTGGTCCTTTTCAACATGAAAAACGAGCTCTTGGTCCAGCAGAGA
GCAGATGCCAAGTACACATTTCCAGGACATTTACAGACTCCTGTTCTAGTCACCCTCTGTATGTGCCTG
AGGAGCTGGAAGAGAAGGATGCCTTGGGAGTGAGGAGGGCAGCCCTAAGACGTCTGCAGGCTGAGCTGGG
CATCTCCAGGACCAGATTTCCATAAAGGACATAATCTTCATGACCCGAAAATACCACAAGTGTCAGTCA
GATGCTATCTGGGGAGAACATGAGATTGGCTACCTTCTGTTGGTGAGAAAAGATCTTATGCTAAACCCAG
ATACCAGGGAAGTGAGACGCTGCTGCTACATGAGCCAGAAGGACGTGCAGGAGCTACTGGACAGGGAGGC
CCGAGGAGAAGAAAAGATCACCCCTTGGTTCAGAAGCATGGTAGAGGATTCCTGTTCTCTTGGTGGCCT
CATTTAGAGGATGTGTCTTCATTCGTGGAGCCTGACAAGATATATGGACTG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG215202 representing NM_177197
Red=Cloning site Green=Tags(s)

MFQASKTHLDELQLKRLEEMCIVIDKQDQIIGADTKKNCHLMENINKGLLHRAFSVVLFNMKNELLVQQR
 ADAKYTFPGHFTDSCSSHPLYVPEELEEKDALGVRRAALRRLQAELGISQDQISIKDIIFMTRKYHKCQS
 DAIWGEHEIGYLLLRKDLMLNPDTRVRRCCYMSQKDVQELLDREARGEEKITPWFRSMVEDFLFSWWP
 HLEDVSSFVEPDKIYGL

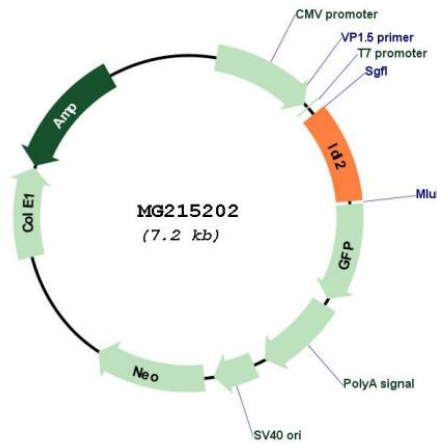
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_177197

ORF Size: 681 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_177197.4 , NP_796171.1
RefSeq Size:	2243 bp
RefSeq ORF:	684 bp
Locus ID:	320581
UniProt ID:	Q8BFZ6
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]