

Product datasheet for **MG201133**

Ibrdc2 (BC025007) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ibrdc2 (BC025007) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ibrdc2
Synonyms: MGC32473
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201133 representing BC025007
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTGCGGAAAACCCACCCTCTGGAGACCTGATTCCC GCCCGCTCGTCACTTGCAAGCTCTGCCTGT
GTGAACAGTCTCTGGACAAGATGACCATGCTCCAAGAGTGCCAGTGTATCTTTGTACACCTGCCTGAA
ACAGTATATGGTGTCAATCCGAGAAGGCTGTGGATCTCTACTTGTCTGACATGGTGTGCCTA
AACCACGGGACCCTGCAGGAAACCGAGATTGCCTGTTGGTGCCTCTGGATGAGTTTCAGCTGTATCAGC
GGCTCAAGTTTGAACGAGAGGTTACATGGACCCCTCCGGACATGGTGTCTGTGCAGACTGCCAGAC
CGTGTGCCATATTCAGCCGGAGACCCAGGCCAGCCAGTGTGGTGGAGTGCCCTTGCCACCTGAAATT
CTGCTCATGTTGCAAGGATGCTTGGCACGAGGAGTCTTCTCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201133 representing BC025007
Red=Cloning site Green=Tags(s)

MTAENPPSGDLIPAPLVTKLCLCEQSLDKMTMLQECQCIFCTPCLKQYMLVLSIREGCGSPITCPDMVCL
NHGTLQETEIACLVPLDEFQLYQRLKFEREVHMDPLRTPVADQCQTVCHISAGDPGQPVLVECLPPEI
LLMLQGCLARGVFL

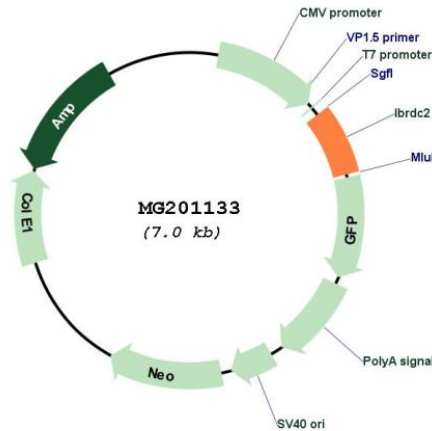
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: BC025007

ORF Size: 464 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:	<u>BC025007</u> , <u>AAH25007</u>
RefSeq Size:	2953 bp
RefSeq ORF:	464 bp
Locus ID:	218215
Cytogenetics:	13 A5
Gene Summary:	E3 ubiquitin-protein ligase which accepts ubiquitin from E2 ubiquitin-conjugating enzymes UBE2L3 and UBE2L6 in the form of a thioester and then directly transfers the ubiquitin to targeted substrates such as LCMT2, thereby promoting their degradation. Induces apoptosis via a p53/TP53-dependent but caspase-independent mechanism. However, its overexpression also produces a decrease of the ubiquitin-dependent stability of BAX, a pro-apoptotic protein, ultimately leading to protection of cell death; But, it is not an anti-apoptotic protein per se (By similarity).[UniProtKB/Swiss-Prot Function]