

## Product datasheet for **RG209302**

### IBRDC2 (RNF144B) (NM\_182757) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	IBRDC2 (RNF144B) (NM_182757) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	IBRDC2
Synonyms:	bA528A10.3; IBRDC2; p53RFP; PIR2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209302 representing NM_182757 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGCC**

ATGGGCTCAGCTGGTAGGCTCCACTATCTCGCCATGACTGCTGAAAATCCCACTCCTGGAGACCTGGCTC  
CGGCCCCCTCATCACTTGCAAACCTGCCTGTGTGAGCAGTCTCTGGACAAGATGACCACACTCCAGGA  
ATGCCAGTGCATCTTTGCACAGCTTGCCTGAAACAGTACATGCAGCTGGCAATCCGAGAAGGATGTGGG  
TCTCCCATCACTTGCCCTGACATGGTGTGCCTAAACCACGGGACCCTGCAGGAAGCTGAGATTGCCTGTT  
TGGTACCTGTGGACCAGTTCACTTTATCAGAGGTTAAAATTTGAAAGAGAAGTTCATCTGGACCCCTA  
CCGAACATGGTGTCTGTGTCAGACTGTGAGACAGTGTGCCTGTGCTCGAGTGACCCAGGACAGCCT  
GTGCTGGTGGAAATGCCCTTCTTGCCACCTGAAATTCGCTCGTGTGCAAGGATGCTTGGCATGCAGAGG  
TCTCCTGTAGAGACAGTCAGCCTATTGTCTGCCAACAGAGCACCGAGCCCTCTTTGGGACAGATGCAGA  
AGCCCCCATTAAAGCAGTGCCAGTTTGCCGGGTTATATCGAACGCAATGAAGGCTGCGCTCAGATGATG  
TGCAAAAAGTGAAGCATACATTTGCTGGTACTGCCTTCAGAACTTGGATAATGACATTTCTCAGAC  
ATTATGACAAAGGGCCATGCAGGAATAAAGTGGCCACTCAAGAGCATCAGTGATGTGGAACCGAACACA  
GGTGGTGGGATTCTCGTAGGCTTGGGCATCATTGCCTTGGTTACTTCCCCCTTACTCCTGGCCTCCCCA  
TGATAATCTGTTGTGTCTGCAAGTCTGTGCGGGCAAGAAGAAAAGCACGACCCATCCACAACC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG209302 representing NM\_182757  
Red=Cloning site Green=Tags(s)

MGSAGRLHYLAMTAENPTPGDLAPAPLITCKLCLCEQSLDKMRTLQECQCIFCTACLKQYMLAIREGCG  
 SPITCPDMVCLNHGTLQAEIACLVPVDQFQLYQRLKFEREVHLDPYRTWCPVADCQTVCPVASSDPGQP  
 VLVECPSCHLKFCSCKDAWHAEVSCRDSQPIVLPTEHRALFGTDAEAPIKQCPVCRVYIERNEGCAQMM  
 CKNCKHTFCWYCLQNLNDIFLRHYDKGPCRNKLGHSRASVMWNRQTQVVGILVGLGIIALVTSPLLLASP  
 CIICCVCKSCRGKKKKHDPSTT

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**ACCN:** NM\_182757

**ORF Size:** 906 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\\_182757.1](#)

**RefSeq Size:** 4782 bp

**RefSeq ORF:** 912 bp

**Locus ID:** 255488

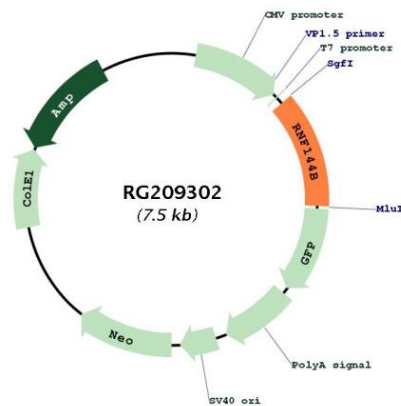
**UniProt ID:** [Q7Z419](#)

**Cytogenetics:** 6p22.3

**Protein Families:** Transmembrane

**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. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RG209302