

Product datasheet for **SC106248**

IBRDC2 (RNF144B) (AJ420555) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IBRDC2 (RNF144B) (AJ420555) Human Untagged Clone
Tag:	Tag Free
Symbol:	IBRDC2
Synonyms:	bA528A10.3; IBRDC2; p53RFP; PIR2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for AJ420555, the custom clone sequence may differ by one or more nucleotides

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GGCACGAGGCGGCACGAGGTCTGTCAGTAACTCTTTAAGCTTGGTGCCGCAAAGAGTCTTTAAATGGGG
GCTGATTTCAAGTAACCTAAAAGACTGTGTTATCAGAGGAAGAGGTCCCAAATTTGGAGTAAAGATGGGA
GAAATAAATAATGTGCTATTTCTTGGCGAGTTGGGGAAATTTGCCACCTTACAGAGTTTGTATCACTGA
ATTAGCTGCTTTTGTTTTTTTTTTTTTTTTTTTTTTTTGGCAGGGCTATGGAGTGGGGTGTGTTGTCAAAC
TGATTTTCAATAATTGGATTTAATTTTTTTTAAACATTGAAAAGTGCCTGAAAAATGGTAAATTCCTAAAT
GTGTGTGAGATTGTCAGAATCAACAAAAGTGGTAAACATATCTCTGGTACATCAAGGGGCATGA
TACAAACCACTAAAGACTGTTTATAAAGGAGAGAGCTGGCGACTTATTTTTATTTTTTTTTTTTGGAC
AGAGTCTCCCTTTGTACCCAGGCCGGAGTGCAGTGGCATGATCATGGTTCACTTCAACCCTACCTCCT
GGGCTCAAGTGTCTCTCACCTTATCCTCCTGAGCAGCTGGGACTACAGGCACACACCACCACACCTGG
CTAAGTTTTGTATTTTTGTAGAGATGGGGTTCTCTGTGTTGCCAGTCTGTCTCAAACCTCTGGGCT
CAAGCGATCCACCACCTTGGGCTCCCAAAGTGTGGGATTACAGGTGTGTGCTACTGTGCTGACAGCT
GACAGTTTTAACTGACAACCTTGTATAACAGAGGCTGCTATTTTTGTTTTAGATAATTGGCCAGTGACAGA
GTAAGTGTGGGTCTACATAGGGATGTTGGATGCTATGGCAAGAATCTTTTTGTGTTGGAGTGTAGTCC
ATTTGCAATAGAAATAAAAAATCCGTACCAAATTTGTAACCTGGATGTTATAGCCAGCATCTAGAAAT
CCTATGAAATGATTAGCACAAATATCTTGCCATTGTCCCATCTAGGAAATTTTTCTTGTGTGAGGTAG
GGAAGTGAGGAGGAAAGCCATGCCGAAGCAAATGTTAGAATCTTAGGCATCCTATTTGTTTCATGCCATGG
GTATTTGCTTTGGACTTGGAGTCTGTACTTTGAAAGAGGCCTTTGAAAAACAAATAATTCTGTGTGAATT
TTCTTGTAGCGTGCTTCATGAAAATATCTACTTATCCAGGTTTGCAAATGTACATGTTTCATTTGAATGTA
AATCACCATTTCTTGAACCCACGTTTTTTCTTAAAAATATTCTGAATTAATGTATATTTCTTTAGC
CTTCCCTACACAGTACTAATAAAAGACTTTTCTTCTGTTTCATGAAAAAAAAAAAAAAAAAAAAAAAAAGG
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5' Read Nucleotide Sequence:

>OriGene 5' read for AJ420555 unedited
 NAACATGTCAGAAATTGTATACAACCTCATATAGGCGGCCGCGNAATTCGCACCAGAGAGAA
 CAGTCTCGAGTTTTTTTTTTTTTTTTTTTTTTTGGCAGGGCTATGGAGTGGGGGTTGTTTGT
 CAAACTGATTTTCAATAATTGGATTTAATTTTTTTTAAACATTGAAAAGTGCCTGAAAAAT
 GGTAAATTCCTAAATGTGTGTGAGATTGCAGAATCAACAAAACCTAGGTTGGTTAAACAT
 ATCTCTGGTACATCAAGGGGCATGATACAAAACCTAAAGACTGTTTATAAAGGAGAG
 AGCTGGCGACTTATTTTTTTTTTTTTTTTTTTTTTTGGACAGAGTCTCCCTTTGTCACCCAAG
 CCGGAGTGCAGTGGCATGATCATGGTTCACCTCAACCCCTACCTCCTGGGCTCAAGTGTT
 CCTCTCACCTTATCCTCCTGAGCAGCTGGGACTACAGGCACACACCACCACCTGGCTA
 AGTTTTGTATTTTTGTAGAGATGGGGTTTCTCTGTGTTGCCAGTCTTGTCTCAAACCTC
 CTGGGCTCAAGCGATCTACCCACCTTGGGCTCCCAAAGTGTGGGATTACAGGTGTGTGT
 CACTGTGCCTGACAGCTGACAGTTTTAACTGACAACTTTGATAACAGAGGCTGCTATTTT
 TGTTTTAGATAATTGGCCAGTGACAGAGTTACCCTTGCCTCTTTCTTGGTCTGCCAGC
 TTTGTCCTTTCTGAGTATTCTCTTTCTGTATTGAGAGGAAGTGGGTCTACATAGGGA
 TGTTTTGATGCTATGGCAAGAATCCTTTTGTGTTGGAGTGTAGTCCATTTGGCATAGAA
 TAAAAAATCCGTCCCAATTGTACCTGGGATGTTATAGCCCAGCATCTTAAATCCTAT
 GAAATGTTTTAGCACATATCTTGC

3' Read Nucleotide Sequence:

>OriGene 3' read for AJ420555 unedited
 GGCAAACCATGGTCGCGCCGACCCCTANGATTCGGTTTTTTTTTTTTTTTTTTTTTTTTTTT
 TTTTTTTTTTTTTTTTTTTTTTTTTTTTCAAAAACAAAAAAATCTTTTATTATTCCTG
 GGGAGGGAAGGCTAAAAAATATCCCTTAATTCAAATATTTTTTAAAAAAACGGGG
 GGTCCTCAAAAAAGGGGATTTACTTTCAAATGAACATGCCTTTTGCAAACCGGGATAAT
 TAAATTTTTTATGAACCCCTCCAAAAAATTCACCCAAAATTTTTGTTTTTAAAAG
 GCCTTTTTCAAAGTACAAACCCCAAGTCCAAAGCAAATCCCTTGGCATGAACAAATAGG
 ATGCCTAAAATCTAACATTTGCTTCGGCATGGTTTTCTCCTAATTTCCCTACCTCAA
 AAAAGAAAAATTTTCTAAATGGGACAATGGCAAAATATTGGGCTAATACATTTTCATAGG
 ATTTCTAAATGCTGGGCTATAACATCCAGGTTACAATTTGGGGACGGATTTTTTATTTT
 TTTTGAAATGGACTACCTCCAAACCCAAAAAGATTCTTGCCATAGCATCCAAACATCC
 CTATGTAACCCACACTTCTCTCATTACAAAAAGAGAACTCCTCAAAAAGGACAAGCT
 GGCAAACCAAAAAAGGAGGCAAGGTAAGTCTGTCAGTCAAGCAATTATCTAAAAACAAA
 ATAGCAGCCTCTGTTATCAAAGTTGTGAGTTAAACTGTGAGTGTGAGGACAGTGACA
 CACACCTGTAATCCCAACACTTTGGGACCCCAAGGTGGTAAATCGCTTGAGCCAGATT
 TTGAGACAAGACTGGGCAACACAGAAAAACCCCTTTTCAAAAATACAAACC

Restriction Sites:

NotI-NotI

ACCN:

AJ420555

Insert Size:

1350 bp

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:	AJ420555.1
RefSeq Size:	1469 bp
RefSeq ORF:	1469 bp
Locus ID:	255488
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]