

Product datasheet for **SC121747**

IBRDC2 (RNF144B) (NM_182757) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IBRDC2 (RNF144B) (NM_182757) 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:	>OriGene ORF within SC121747 sequence for NM_182757 edited (data generated by NextGen Sequencing)

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ATGGGCTCAGCTGGTAGGCTCCACTATCTCGCCATGACTGCTGAAAATCCCCTCTGGA
GACCTGGCTCCGGCCCCCTCATCACTTGCAAACTCTGCCTGTGTGAGCAGTCTCTGGAC
AAGATGACCACACTCCAGGAATGCCAGTGCATCTTTTGCACAGCTTGCCTGAAACAGTAC
ATGCAGCTGGCAATCCGAGAAGGATGTGGGTCTCCCATCACTTGCCTGACATGGTGTGC
CTAAACCACGGGACCCTGCAGGAAGCTGAGATTGCCTGTTTGGTACCTGTGGACCAGTTT
CAACTTTATCAGAGGTTAAAATTTGAAAGAGAAGTTCATCTGGACCCCTACCGAACATGG
TGTCTGTTCAGACTGTCAGACAGTGTGCCCTGTTGCCTCGAGTGACCCAGGACAGCCT
GTGCTGGTGAATGCCCTTCTTGCCACCTGAAATTCTGCTCGTGTGCAAGGATGCTTGG
CATGCAGAGGTCTCCTGTAGAGACAGTCAGCCTATTGCTCTGCCAACAGACACCGAGCC
CTTTTGGGACAGATGCAGAAGCCCCATTAAGCAGTGCCAGTTTGGCCGGTTTATATC
GAACGCAATGAAGGCTGCGCTCAGATGATGTGCAAAAACGCAAGCATAACATTTTGTGG
TACTGCCTCCAGAACTTGGATAATGACATTTTCTCAGACATTATGACAAAGGGCCATGC
AGGAATAAACTTGGCCACTCAAGAGCATCAGTGATGTGGAACCGAACACAGGTGGTGGGG
ATTCTCGTAGGCTTGGGCATCATTGCCTTGTTACTTCACCTTGTACTCTGGCCTCC
CCATGTATAATCTGTTGTGTCTGCAAGTCTGTGCGGGCAAGAAGAAAAAGCAGCACCA
TCCACAACCTAA

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Clone variation with respect to NM_182757.3



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_182757 unedited GCCGCGAATTCGGCAGCAGCAGCAGCAGCAGGAGAAAGACGGAGAGAATGGAAGAGCTCCTG TCCGGTGTGCCAGCAGCCCGACTGGCGGTGAGCGCGAGGGAGGCTACTGAGAAGCCCGG CGACGGAGGAACGCAGGTCTGCTGCCAGGGATTGAGGAGACTGAAGAACGCTGAAGACAG GCTGATGGGCTCAGCTGGTAGGCTCCACTATCTCGCCATGACTGCTGAAAATCCCCTCC TGGAGACTGGCTCCGGCCCCCTCATCACTTGCAAACCTGCTGCTGTGTGAGCAGTCTCT GGACAAGATGACCACACTCCAGGAATGCCAGTGCATCTTTGACACAGCTTGCCTGAAACA GTACATGCAGCTGGCAATCCGAGAAGGATGTGGGTCTCCATCACTTGCCCTGACATGGT GTGCCTAAACCACGGGACCCTGCAGGAAGCTGAGATTGCCTGTTTGGTACCTGTGGACCA GTTTCACTTTATCAGAGGTTAAAATTTGAAAGAGAAGTTCATCTGGACCCCTACCGAAC ATGGTGTCTGTTGCAGACTGTCAGACAGTGTGCCCTGTTGCCTCGAGTGACCCAGGACA GCCTGTGCTGGTGAATGCCCTTCTTGCCACCTGAAATTTGCTCGTGTGCAAGGATGC TTGGCATGCANAGGTCTNCTGTANAGACAGTCAGCCTATTGCTCCTGCCACAGAGCACCGA GCCCTCTTGGGACAGATGCAGAAGCCCC
Restriction Sites:	NotI-NotI
ACCN:	NM_182757
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:	NM_182757.2 , NP_877434.2
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]