

Product datasheet for **RG205568**

IBRDC1 (RNF217) (NM_152553) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	IBRDC1
Synonyms:	C6orf172; dJ84N20.1; IBRDC1; OSTL
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG205568 representing NM_152553
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGGTACAACCTGGCCAAGTAGAAATCAAATGCCCCATCACAGAGTGTGTTGAATTCTTGGAAGAAA
CAACTGTTGTCTATAACTTAACGCATGAAGACTCCATCAAGTATAAGTACTTCTTGGAACCTGGCCGTAT
TGATTCCAGCACCAAGCCATGTCCTCAGTGCAAGCACTTTACAACCTTCAAGAAAAAGGACATATTCCC
ACCCCTTCCAGATCAGAAAGCAAATACAAATCCAGTGCCCTACCTGCCAATTCGTCTGGTGTGTTAAGT
GCCACTCTCCTTGGCATGAAGGTGTTAACTGCAAGGAGTACAAAAAGGAGACAAATTGTTGCGTCACTG
GGCCAGCGAAATTGAGCATGGGCAGAGGAATGCCAGAAAGTGTCCAAAGTGCAAGATCCACATCCAGCGA
ACTGAAGGATGTGACCATATGACCTGCTCACAATGTAACACTAATTTTGTACCGATGTGGTGAGAGAT
ACCGCCAGCTCCGATTTTGGAGACCACACATCAAACCTCAGTATTTGGATGCAATATCGCTACCT
CCCAGAGAGACCTCATTTAAGGAGATTAGTGCGAGGGTCAGTCTGTGCTGGAAAATTATTCATTGCACCT
CTAATTATGTTTTGGGATTGGCACTAGGGGCCATAGCGGTTGTAATCGTTGAGGAAATTAAGACTTACT
GGAACCTCATAAGTGGTAGAACAGGAATCAAACCAACATTTGGCTCCACAGCCTGTGTTGTTAAGTGA
TATGCTATACTGCCTGAAACAAGTGTTATTGTTATTCCTATCTATTGCCTTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >RG205568 representing NM_152553
Red=Cloning site Green=Tags(s)

MKVQLGQVEIKCPITECFELETTVVYNLTTHEDSIKYKYFLELGRIDSSTKPCQCKHFTTFKKKGHIP
TPSRSESKYKIQCPQCQFVWCFKCHSPWHEGVNCKEYKKGDKLLRHASEIEHGQRNAQKCPKCKIHIQR
TEGCDHMTCSQCNTNFCYRCGERYQLRFFGDHTSNLSIFGCKYRYLPERPLRRLVRGSVCAGKLFIA
LIMVLGLALGAIIVVIEEIKTYWNLSIGRTRNQTQHLAPQPVLLSDMLYCLKQVFICISYLLPL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152553

ORF Size: 825 bp

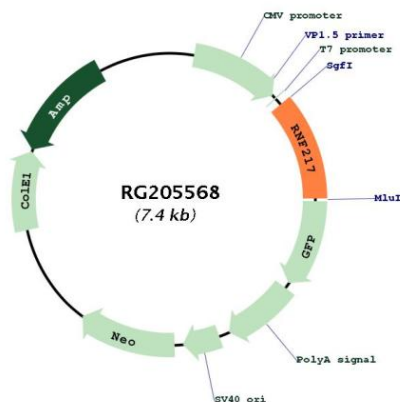
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_152553.5</u>
RefSeq Size:	1799 bp
RefSeq ORF:	828 bp
Locus ID:	154214
UniProt ID:	<u>Q8TC41</u>
Cytogenetics:	6q22.31
Protein Families:	Transmembrane
Gene Summary:	This protein encoded by this gene is a member of the RING1-IBR-RING24 (RBR) ubiquitin protein ligase family, and it belongs to a subfamily of these proteins that contain a transmembrane domain. This protein can interact with the HAX1 anti-apoptotic protein via its C-terminal RING finger motif, which suggests a role in apoptosis signaling. It is thought that deregulation of this gene can be a mechanism in leukemogenesis. Mutations in the region encoding the protein GXXXG motif, which appears to be necessary for protein self-association, have been found in human cancers. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Apr 2016]

Product images:



Circular map for RG205568