

## Product datasheet for **RG200727**

### BRCC36 (BRCC3) (NM\_024332) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BRCC36 (BRCC3) (NM_024332) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	BRCC36
Synonyms:	BRCC36; C6.1A; CXorf53
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200727 representing NM_024332 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGGTGCAGGTGGTGCAGGCGGTGCAGGCGGTTTCATCTCGAGTCTGACGCTTTCCTCGTTTGTCTCA  
ACCACGCTCTGAGCACAGAGAAGGAGGAAGTAATGGGGCTGTGCATAGGGGAGTTGAACGATGATACAAG  
GAGTGACTCCAAATTTGCATATACTGGAAGTAAATGCGCACAGTTGCTGAAAAGGTTGATGCCGTCAGA  
ATTGTTACATTCATTCTGTCATCATCTTACGACGTTCTGATAAGAGGAAGGACCGAGTAGAAATTTCTC  
CAGAGCAGCTGTCTGCAGCTTCAACAGAGGCAGAGAGGTTGGCTGAACTGACAGGCCGCCCATGAGAGT  
TGTGGGCTGGTATCATTCCCATCCTCATATAACTGTTTGGCCTTACATGTTGATGTTCCGACACAAGCC  
ATGTACCAGATGATGGATCAAGGCTTGTAGGACTTATTTTTTCTGTTTCATAGAAGATAAGAACAACAA  
AGACTGGCCGGTACTCTACACTTGCTTCCAATCCATACAGGCCAAAAGAGTTCAGAGTCCCTTCATGG  
TCCACGAGACTTCTGGAGCTCCAGCCAGCACATCTCCATTGAGGGCCAGAAGGAAGAGGAAAGGTATGAG  
AGAATCGAAATCCCAATCCATATTGTACCTCATGTCACTATCGGGAAAGTGTGCCTTGAATCAGCAGTAG  
AGCTGCCAAGATCCTGTGCCAGGAGGAGCAGGATGCGTATAGGAGGATCCACAGCCTTACACATCTGGA  
CTCAGTAACCAAGATCCATAATGGTCAAGTGTGTTACCAAGAATCTGTGCAGTCAGATGTCGGCAGTCAGC  
GGGCCTCTCTACAGTGGTTGGAGGACAGACTGGAGCAAAACCAACAGCATTTCAGGAATTACAACAAG  
AAAAGGAAGAGCTTATGCAAGAACTTTCTCTCTAGAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >RG200727 representing NM\_024332  
 Red=Cloning site Green=Tags(s)

MAVQVVQAVQAVHLESDAFLVCLNHALSTEKEEVMGLCIGELNDDTRSDSKFAYTGTEMRTVAEKVDAVR  
 IVHIHSVILRRSDKRKDRVEISPEQLSAASTEAEERLAELTGRPMRVVGVYHSHPHITVWPSHVDVRTQA  
 MYQMMDQGFVGLIFSCFIEDKNTKTGRVLYTCFQSIQAQKSSSESLHGPRDFWSSSQHISIEGQKEEERYE  
 RIEIPIHIIVPHVTIGKVCLESAVELPKILCQEEQDAYRRIHSLTHLDSVTKIHNGSVFTKNLCSQMSAVS  
 GPLLQWLEDRLEQNQQHLQELQKEELMQELSSLE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_024332

**ORF Size:** 948 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\\_024332.3](#), [NP\\_077308.1](#)

**RefSeq Size:** 2937 bp

**RefSeq ORF:** 951 bp

**Locus ID:** 79184

**UniProt ID:** [P46736](#)

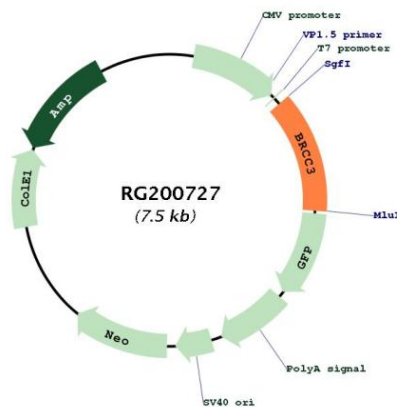
**Cytogenetics:** Xq28

**Domains:** JAB\_MPN

**Protein Families:** Druggable Genome, Protease

**Gene Summary:** This gene encodes a subunit of the BRCA1-BRCA2-containing complex (BRCC), which is an E3 ubiquitin ligase. This complex plays a role in the DNA damage response, where it is responsible for the stable accumulation of BRCA1 at DNA break sites. The component encoded by this gene can specifically cleave Lys 63-linked polyubiquitin chains, and it regulates the abundance of these polyubiquitin chains in chromatin. The loss of this gene results in abnormal angiogenesis and is associated with syndromic moyamoya, a cerebrovascular angiopathy. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 5. [provided by RefSeq, Jun 2011]

## Product images:



Circular map for RG200727