

Product datasheet for **SC331836**

BRCC36 (BRCC3) (NM_001242640) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: BRCC36 (BRCC3) (NM_001242640) Human Untagged Clone
Tag: Tag Free
Symbol: BRCC36
Synonyms: BRCC36; C6.1A; CXorf53
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC331836 representing NM_001242640.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGGTGCAGGTGGTGCAGGCGGTGCAGGCGGTTTCATCTCGAGTCTGACGCTTTCCTCGTTTGTCTC
AACACGCTCTGAGCACAGAGAAGGAGGAAGTAATGGGGCTGTGCATAGGGGAGTTGAACGATGATACA
AGTAGGAGTGACTCCAAATTTGCATATACTGGAAGTAAATGCGCACAGTTGCTGAAAAGGTTGATGCC
GTCAGAATTGTTACATTCATTCTGTATCATCTTACGACGTTCTGATAAGAGGAAGGACCGAGTAGAA
ATTTCTCCAGAGCAGCTGTCTGCAGCTCAACAGAGGCAGAGAGGTTGGCTGAAGTACAGGCCGCCCCC
ATGAGAGTTGTGGGCTGGTATCATTCCCATCCTCATATAACTGTTTGGCCTTCACATGTTGATGTTGCG
ACACAAGCCATGTACCAGATGATGGATCAAGGCTTTGTAGGACTTATTTTTTCTGTTTCATAGAAGAT
AAGAACACAAAGACTGGCCGGTACTCTACACTTGCTTCCAATCCATACAGGCCAAAAGAGTTCAGAG
TATGAGAGAATCGAAATCCCAATCCATATTGTACCTCATGTCACTATCGGGAAAGTGTGCCTTGAATCA
GCAGTAGAGCTGCCAAGATCCTGTGCCAGGAGGAGCAGGATGCGTATAGGAGGATCCACAGCCTTACA
CATCTGGACTCAGTAACCAAGATCCATAATGGCTCAGTGTTTACCAAGAATCTGTGCAGTCAGATGTCG
GCAGTCAGCGGGCCTCTCTACAGTGGTTGGAGGACAGACTGGAGCAAACCAACAGCATTTCAGAGAA
TTACAACAAGAAAAGGAGAGCTTATGCAAGAAGTTTCTTCTCTAGAA
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Restriction Sites: Sgfl-MluI
ACCN: NM_001242640
Insert Size: 879 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).



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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_001242640.1
RefSeq Size:	2880 bp
RefSeq ORF:	879 bp
Locus ID:	79184
UniProt ID:	P46736
Cytogenetics:	Xq28
Protein Families:	Druggable Genome, Protease
MW:	33.2 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 5' coding region, and lacks an alternate in-frame exon in the central coding region, compared to variant 1. The encoded isoform (3) is shorter than isoform 1.</p>