

Product datasheet for **SC310541**

BRCC36 (BRCC3) (NM_024332) Human Untagged Clone

Product data:

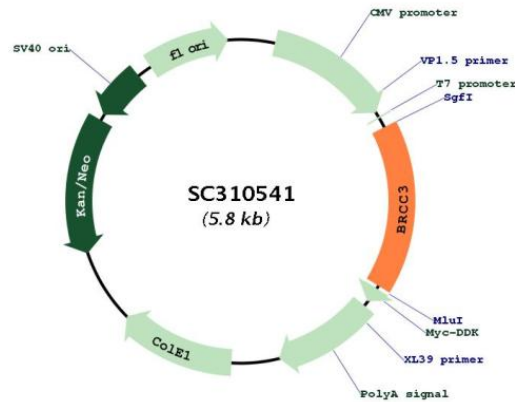
Product Type:	Expression Plasmids
Product Name:	BRCC36 (BRCC3) (NM_024332) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRCC3
Synonyms:	BRCC36; C6.1A; CXorf53
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310541 representing NM_024332. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCGGTGCAGGTGGTGCAGGCGGTGCAGGCGGTTCATCTCGAGTCTGACGCTTTCCTCGTTTGTCTC
AACCCAGCTCTGAGCACAGAGAAGGAGGAAGTAATGGGGCTGTGCATAGGGGAGTTGAACGATGATACA
AGGAGTGACTCCAAATTTGCATATACTGGAAGTAAATGCGCACAGTTGCTGAAAAGGTTGATGCCGTC
AGAATTGTTACATTCTTCTGTCATCATCTTACGACGTTCTGATAAGAGGAAGGACCGAGTAGAAAT
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AGAGTTGTGGGCTGGTATCATTCCCATCTCATATAACTGTTTGGCCTTCACATGTTGATGTTTCGCACA
CAAGCCATGTACCAGATGATGGATCAAGGCTTTGTAGGACTTATTTTTCTGTTTCATAGAAGATAAG
AACACAAAGACTGGCCGGTACTCTACACTTGCTTCCAATCCATACAGGCCAAAAGAGTTCAGAGTCC
CTTCATGGTCCACGAGACTTCTGGAGCTCCAGCCAGCACATCTCCATTGAGGGCCAGAAGGAAGAGGAA
AGGTATGAGAGAATCGAAATCCCAATCCATATTGTACCTCATGTCACTATCGGGAAAGTGTGCCTTGAA
TCAGCAGTAGAGCTGCCAAGATCCTGTGCCAGGAGGAGCAGGATGCGTATAGGAGGATCCACAGCCTT
ACACATCTGGACTCAGTAACCAAGATCCATAATGGCTCAGTGTTTACCAAGAATCTGTGCAGTCAGATG
TCGGCAGTCAGCGGCCCTCTCTACAGTGGTTGGAGGACAGACTGGAGCAAACCAACAGCATTGCGAG
GAATTACAACAAGAAAAGGAAGAGCTTATGCAAGAAGTCTTCTCTAGAATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_024332

Insert Size: 951 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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](#)

RefSeq Size: 2952 bp

RefSeq ORF: 951 bp

Locus ID:	79184
UniProt ID:	P46736
Cytogenetics:	Xq28
Domains:	JAB_MPN
Protein Families:	Druggable Genome, Protease
MW:	36.1 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 (1) represents the longest transcript and encodes the longest isoform (1).</p>