

Product datasheet for **SC324627**

BRCC45 (BRE) (NM_199194) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRCC45 (BRE) (NM_199194) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRCC45
Synonyms:	BRCC4; BRCC45; BRE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_199194.1
 GTGATTTACAAGTCAAGTTAAAAATGTCCCCAGAAGTGGCCTTGAACCGAATATCTCCAAT
 GCTCTCCCTTTTCATATCTAGCGTGGTCCGGAATGGAAAAGTGGGACTGGATGCTACAAA
 CTGTTTGAGGATAACTGACTTAAATCTGGCTGCACATCATTGACTCCTGGGCCAACTG
 TGACCGATTTAACTGCACATACCATATGCTGGAGAGACATTAAGTGGGATATCATTTT
 CAATGCCCAATACCCAGAACTGCCTCCCGATTTTATCTTTGGAGAAGATGCTGAATTCCT
 GCCAGACCCCTCAGCTTTGCAGAATCTTGCCCTCCTGGAATCCTTCAAATCCTGAATGTCT
 CTACTTGTGGTGAAGGAACCTTGCAACAATATCACCAATTCCAATGTAGCCGCCTCCG
 GGAGAGCTCCCGCTCATGTTTGAATACCAGACATTACTGGAGGAGCCACAGTATGGAGA
 GAACATGGAAATTTATGCTGGGAAAAAACAACCTGGACTGGTGAATTTTCAGCTCGTTT
 CCTTTTGAAGCTGCCCGTAGATTTTCAGCAATATCCCCACATACCTTCTCAAGGATGTAA
 TGAAGACCCTGGAGAAGATGTGGCCCTCCTCTCTGTTAGTTTTGAGGACACTGAAGCCAC
 CCAGGTGTACCCAAGCTGTACTTGTACCTCGAATTGAGCATGCACTTGGAGGCTCCTC
 AGCTCTTCATATCCAGCTTTTCCAGGAGGAGGATGTCTCATTGATTACGTTCTCAAGT
 ATGCCACCTGCTACCAACAAGGTGCAGTACGTGATTCAAGGGTATCACAAAAGAAGAGA
 GTATATTGCTGCTTTTCTCAGTCACTTTGGCACAGGTGTCGTGGAATATGATGCAGAAGG
 CTTTACAAAACCTCACTCTGCTGCTGATGTGAAAGATTTTGTCTTGTACACATTGA
 CCTGCCTCTGTTTTTCCCTCGAGACCAGCCAACCTCTCACATTTCACTCCGTTTATCACTT
 TACCAACAGTGGACAGCTTTACTCCCAGGCCCAAAAAAATTATCCGTACAGCCCCAGATG
 GGATGGAAATGAAATGGCCAAAAGAGCAAAGGCTTATTTCAAACCTTTGTCCCTCAGTT
 CCAGGAGGCAGCATTTGCCAATGGAAAGCTCTAGGAAACACCACTTGGAGAGGTGGCCA
 GCCAGACTGCCTGTCCACATGCGTGTGAGCACATACAGCCGCTTCTGGAAGCCGCTGG
 AATGTCTTACGGCAGCGTTTTGCTCACACAGCAGCTTTTGCACGCCCCAGGCAGCCCCG
 ACTGCTGAAATCCAACCTTGAGCTGGCTGGTGGTCCCTGGATCCTAGAGCCCTTCACTTCG
 GGTTACTCCCTCTTTCTTGCCTCTATTTCTTAGTTGGAAGAAATAAACTCACAAATTATG
 GTGCAGTAATTTTCCGGGAAAGTAAAGCCTCAGGAATGCCACGCCTTTCTTCCAAAGC
 CTTTGTCTCTGAGACCTCTTAAGTTCTAAGATTAATGCCCTCGCTGTTCTTCTCTGA
 AAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_199194

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:	<u>NM_199194.1, NP_954664.1</u>
RefSeq Size:	1860 bp
RefSeq ORF:	1152 bp
Locus ID:	9577
UniProt ID:	<u>Q9NXR7</u>
Cytogenetics:	2p23.2
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes an anti-apoptotic, death receptor-associated protein that interacts with tumor necrosis factor-receptor-1. The encoded protein acts as an adapter in several protein complexes, including the BRCA1-A complex and the BRISC complex. The BRCA1-A complex possesses ubiquitinase activity and targets sites of double strand DNA breaks, while the BRISC complex exhibits deubiquitinase activity and is involved in mitotic spindle assembly. This gene is upregulated in several types of cancer. [provided by RefSeq, Jun 2016]