

Product datasheet for SC307897

BRCC45 (BRE) (NM_199191) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	BRCC45 (BRE) (NM_199191) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRCC45
Synonyms:	BRCC4; BRCC45; BRE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307897 representing NM_199191. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGTCCCCAGAAAGTGGCCTTGAACCGAATATCTCCAATGCTCTCCCTTTTCATATCTAGCGTGGTCCGG
AATGGAAAAGTGGGACTGGATGCTACAACTGTTTGAGGATAACTGACTTAAAATCTGGCTGCACATCA
TTGACTCTGGGCCCAACTGTGACCGATTTAACTGCACATACCATATGCTGGAGAGACATTAAGTGG
GATATCATTTTCAATGCCAATACCCAGAAGTGCCTCCGATTTTATCTTTGGAGAAGATGCTGAATTC
CTGCCAGACCCCTCAGCTTTCAGAACTCTGCCTCCTGGAACTCCTCAAATCCTGAATGTCTCTTACTT
GTGGTGAAGGAAGTGTGCAACAATATACCAATTCCAATGTAGCCGCTCCGGGAGAGCTCCCGCCTC
ATGTTTGAATACCAGACATTACTGGAGGAGCCACAGTATGGAGAGAACATGGAAAATTTATGCTGGGAAA
AAAAACAAGTGGACTGGTGAATTTTCAGCTCGTTTCTTTTGAAGCTGCCCGTAGATTTTCAGCAATATC
CCCACATACCTTCTCAAGGATGTAATGAAGACCTGGAGAAGATGTGGCCCTCCTCTCTGTTAGTTTT
GAGGACTGAAGCCACCCAGGTGTACCCCAAGCTGTACTTGTCACTCGAATTGAGCATGCACTTGGGA
GGCTCCTCAGCTCTTCATATCCAGCTTTTCCAGGAGGAGGATGTCTCATTGATTACGTTCTCAAGTA
TGCCACCTGCTCACCAACAAGGTGCAGTACGTGATTCAAGGGTATCACAAAAGAAGAGATATTTGCT
GCTTTTCTCAGTCACTTTGGCACAGGTGCTGGAATATGATGCAGAAGGCTTTACAAAACACTCAGCTG
CTGCTGATGTGGAAAGATTTTGTGTTTCTGTACACATTGACCTGCCTCTGTTTTCCCTCGAGACCAG
CCAAGTCTCACATTTTCAGTCCGTTTATCACTTTACCAACAGTGGACAGCTTTACTCCAGGCCAAAAA
AATTATCCGTACAGCCCCAGATGGGATGGAAATGAAATGGCCAAAAGAGCAAAGGCTTATTTCAAACC
TTTGTCCCTCAGTTCAGGAGGCAGCATTGCCAAATGAAAGCTC TAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



[View online »](#)

ACCN:	NM_199191
Insert Size:	1152 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:	<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:	<u>NM_199191.2</u>
RefSeq Size:	1804 bp
RefSeq ORF:	1152 bp
Locus ID:	9577
UniProt ID:	<u>Q9NXR7</u>
Cytogenetics:	2p23.2
Protein Families:	Druggable Genome
MW:	43.6 kDa
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]