

## Product datasheet for **SC307898**

### BRCC45 (BRE) (NM\_199193) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	BRCC45 (BRE) (NM_199193) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRCC45
Synonyms:	BRCC4; BRCC45; BRE
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_199193, the custom clone sequence may differ by one or more nucleotides ATGTCCCCAGAAGTGGCCTTGAACCGAATATCTCCAATGCTCTCCCCTTTCATATCTAGC GTGGTCCGGAATGGAAAAGTGGGACTGGATGCTACAACTGTTTGAGGATAACTGACTTA AAATCTGGCTGCACATCATTGACTCCTGGGCCAACTGTGACCGATTTAACTGCACATA CCATATGCTGGAGAGACATTAAGTGGGATATCATTTTCAATGCCAATACCCAGAAGT CCTCCCGATTTTATCTTTGGAGAAGATGCTGAATCCTGCCAGACCCCTCAGCTTTGCAG AATCTTGCTCCTGGAATCCTTCAAATCCTGAATGCTCTTACTTGTGGTGAAGGAACTT GTGCAACAATATACCAATTCGAATGTAGCCGCCTCCGGGAGAGCTCCCGCTCATGTTT GAATACCAGACATTACTGGAGGACCCACAGTATGGAGAGAACATGGAAATTTATGCTGGG AAAAAAAAACAAGTGGACTGGTGAATTTTCAGCTCGTTTCCCTTTGAAGCTGCCCGTAGAT TTCAGCAATATCCCCACATACCTTCTCAAGGATGTAATGAAGACCTGGAGAAGATGTG GCCCTCCTCTCTGTTAGTTTTGAGGACACTGAAGCCACCCAGGTGACCCCAAGCTGTAC TTGTCACCTCGAATTGAGCATGCACTTGGAGGCTCCTCAGCTCTTCATATCCCAGCTTTT CCAGGAGGAGGATGTCTCATTGATTACGTTTCTCAAGTATGCCACCTGCTCACCAACAAG GTGCAGTACGTGATTCAAGGTATCACAAAAGAAGAGAGTATATTGCTGCTTTTCTCAGT CACTTTGGCACAGGTGCTGGAATATGATGCAGAAGGCTTACAAAACACTACTCTGCTG CTGATGTGGAAAGATTTTGTCTTGTACACATTGACCTGCCTCTGTTTTTCCCTCGA GACCAGCCAACCTCACATTTTCACTCCGTTTATCACTTTACCAACAGTGGACAGCTTTAC TCCCAGGCCAAAAAATTATCCGTACAGCCCCAGATGGGATGGAAATGAAATGGCCAAA AGAGCAAAAAGAGAGAGCAACAGAGATGGGGAGGAATCCAGCTCTGCCTGA
Restriction Sites:	Please inquire
ACCN:	NM_199193
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).



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<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_199193.1</a></u> , <u><a href="#">NP_954663.1</a></u>
<b>RefSeq Size:</b>	1932 bp
<b>RefSeq ORF:</b>	1131 bp
<b>Locus ID:</b>	9577
<b>UniProt ID:</b>	<u><a href="#">Q9NXR7</a></u>
<b>Cytogenetics:</b>	2p23.2
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	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]