

Product datasheet for **SC302327**

BRMS1 (NM_001024957) Human Untagged Clone

Product data:

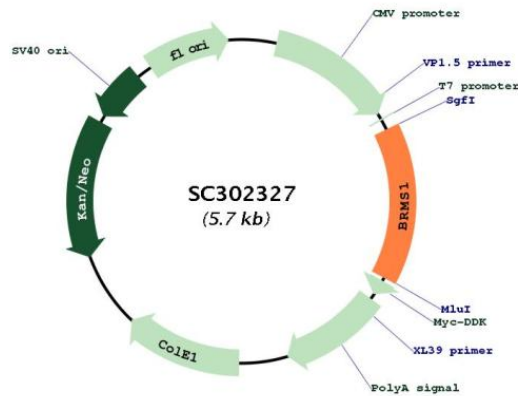
Product Type:	Expression Plasmids
Product Name:	BRMS1 (NM_001024957) Human Untagged Clone
Tag:	Tag Free
Symbol:	BRMS1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC302327 representing NM_001024957. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATCGCTGTCCAGCCTCCAAGCAAAGACACAGAAGAGATGGAAGCAGAGGGTGATTCTGCTGCTGAGATG
AATGGGGAGGAGGAAGAGAGTGAGGAGGAGCGGAGCGGCAGCCAGACAGAGTCAGAAGAGGAGAGCTCC
GAGATGGATGATGAGGACTATGAGCGACGCCGAGCGAGTGTGTCACTGAGATGCTGGACCTAGAGAAG
CAGTTCTCGGAGCTAAAGGAGAAGTTGTTCAAGGAACGACTGAGTCAGCTGCGGTTGCGGCTGGAGGAA
GTGGGGGCTGAGAGAGCCCCTGAATACACGGAGCCCCTTGGGGGCTGCAGCGGAGCCTCAAGATTCGC
ATTCAGTGGCAGGGATCTACAAGGGCTTCTGTCTGGATGTGATCAGGAATAAGTACGAATGTGAGCTG
CAGGGAGCCAAACAGCACCTGGAGAGTGAGAAGCTGCTGCTCTATGACACGCTGCAGGGGAGCTGCAG
GAGCGGATCCAGAGGCTGGAGGAGACCAGAGCCTGGACCTCAGCTCTGAATGGTGGGATGACAAA
CTGCACGCCAGAGGCAGCTCCAGGTCTTGGGACTCCCTGCCGCCAGCAAGAGGAAGAAGGCACCTCTG
GTTTCTGGCCATACATCGTGTACATGCTTCAAGAGATCGACATCCTGGAGGACTGGACGCCATCAAA
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GTCTGCCAGCCAGGCTCCTGTGGTGTGCTGGGCCCTCCACTCCATCTGGCACTGGCCTGGACTCCT
CCTCTGCCCTCCTCGAGGCTGCACAGCTGTGGCCGTGGAGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001024957

Insert Size: 873 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_001024957.1](#)

RefSeq Size: 1360 bp

RefSeq ORF:	873 bp
Locus ID:	25855
Cytogenetics:	11q13.2
Protein Families:	Druggable Genome
MW:	33.7 kDa
Gene Summary:	<p>This gene reduces the metastatic potential, but not the tumorigenicity, of human breast cancer and melanoma cell lines. The protein encoded by this gene localizes primarily to the nucleus and is a component of the mSin3a family of histone deacetylase complexes (HDAC). The protein contains two coiled-coil motifs and several imperfect leucine zipper motifs. Alternative splicing results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site in the 3' terminal exon which results in the use of a downstream stop codon, compared to variant 1. The encoded protein (isoform 2) has a longer and distinct C-terminus, compared to isoform 1.</p>