

Product datasheet for RN212756

Brca1 (NM_012514) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Brca1 (NM_012514) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Brca1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN212756 representing NM_012514 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGATCGCC

ATGGATTTATCTGCTGTTTCAAGTCAAAAATGTCCTTCATGCTATGCAGAAAATCTGGAGT
GTCCAATCTGTTTGAAGTCAAAAGAACCGTTTCCACAGTGCACCACATATTTGCAAATTTG
TATGCTGAACTCCTTAACCAGAAAGGACCTCCAGTGTCTTTGTGAAGAATGAGATAACCAA
AGGAGCCTACAAGGAAGTCAAGGTTTAGTCAACTTGTGAAGAGCTGCTGAAAAATCATTGATGCTTTG
AGCTTGACACCGAATGCAGTGTCAAATGGTTTTAGTTTTCAAAAAAGAAAAATGTTCTTCTGAGCT
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AGAAATGCTCATCCAATAGAATCATTGAGAAAGGAACCTGCTTTCACAGCTAAAGCCAAATCTATAAGCA
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 CAGAGGGTCTAGGAAATAGAATTTCTCAGAAGAGAGCGACTCCACTGAGGATGAAGACCTTCCCTGCTTC
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 CCCGGAATCTGGAATCAGGCTAGTCTCCAGCAGAGACCCTGATTCTGAATCCCCTAAAGTGTGAGCCCTT
 GTTTGCACTGCACCAGCTTCAACCTCTGCACTGAAAATATCCCAAGTCAAGTTGCTGGGTCTTGCAGGA
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 GAAGTCAAAGGAGACGTTGTGACTGGAAGCAACCAAGGTCCAAGGCGATCCAGAGAATCCCAGGAAA
 AGCTCTTTGAAGGCTACAGATCTATTGTTGTGAGCCCTTACCAACATGCCCAAAGATGAGCTGGAGAG
 GATGCTGCAGCTGTGTGGGGCTTCTGTGGTGAAGGAGCTTCCATTGCTCACCCGTGACACAGGTGCTCAT
 CCAATTGTGCTCGTGCAGCCAAGTGCTGGACAGAAGACAACGACTGCCCTGATATTGGGACGCTGTGCA

AGGGACGTCTAGTGATGTGGGACTGGGTGTTGGACAGTATATCCGTCTACCGGTGTCGGGATCTGGATGC
CTACCTGGTACAGAATATCACCTGTGGCCGTGATGGTAGCGAGCCACAAGACTCCAATGAT TAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_012514
Insert Size:	5454 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).
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_012514.1</u> , <u>NP_036646.1</u>
RefSeq Size:	5607 bp
RefSeq ORF:	5454 bp
Locus ID:	497672
UniProt ID:	<u>O54952</u>
Cytogenetics:	10q31
Gene Summary:	involved in the DNA damage response and DNA repair [RGD, Feb 2006]