

Product datasheet for **MC221420**

Bard1 (NM_007525) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Bard1 (NM_007525) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Bard1
Synonyms:	ENSMUSG00000060893; ENSMUSG00000073653
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221420 representing NM_007525
 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCACGCCGGCCGCCGAGGGTCTGCTCTGGAACAGCCTGCTCCCGTCCCCGCATGGAGCCGGCTA
 CCGACGGGCTTTGGGCCACAGCCGCGCGCTTGCCCGCTGGAGAAGCTGCTGCGCTCTCCGCTG
 TGCTAATATTCTGAAGGAGCCCGTGTGCTTAGGAGGATGTGAGCACATCTTCTGTAGTGGTTGTATAAGT
 GACTGTGTTGGCTCAGGATGCCAGTGTGTACACCCAGCCTGGATCCTAGACCTCAAGATAAACCCGAC
 AATTGGACAGCATGATCCAGCTTCTAGTAAGCTCCAAAATTTGCTCCATGACAATAAAGATTCAAAGA
 CAACACATCTAGGGCAAGTTTATTTGGTGTGCAGAAAGGAAGAATTCAATAAAAAATGTGGTTAGT
 CCTCGAAGTAAGAAGTTAGATATGTTGTGACTAAAGTGTGACTACAACACAGCCTCAAAGGCCAAAGG
 ACGACAAAGCCAGGAAGCCTCAATGTATGAATTTGTTCCGCAACTCCCCTGTAGCTGTTCTAAGAG
 TGCTAAAACAGCTTCTAGAATCTGCAAAAAGCATCCAAAGAAATCTGTAGCTAAGATCAACAGGGAG
 GAGAAATTAAGGCCAGAAACAAAGGATAGTAGATTTGATTCCAAAGAGGAGCTGAAGGAAGAGAAGTTG
 TCTCTGTAGCCAAATACCAGTTATGGAGAGACCAGGGTAAATGGTGAATAGACTTATTAGCAAGTGG
 TTCTGTTGTAGAACCTGAATGTTCTGGAAGCTTGACTGAAGTCTCTTTACCATTGGCTGAGCATATAGTG
 TCTCCAGACACTGTGAGCAAGAAATGAAGAGACTCCGGAGAAGAAGGTCTGTGTAAGATCTTCGTTTCA
 GAGGGAGTAATGGAAATCGTAAAGGCTGCCACAGGCCTACCCTTCTACTTCTGACAGTTGTGGGAGCAA
 CATTCCGAGCACCAGCAGAGGCATCGGTGAGCCAGCATTGCTTGCAAAAACGTAGTGTGGTTGACTGC
 TCTTCACTGCCTTCAGGCCAGCTACAGGTTGATGTCACACTCAGGAGAAAGATAACGCATCAGATGACC
 CCCTTAGCCTTTCACCGGCCACACCCACCTCTGCTGAACAATCAACTCACAGACAAATGATGTCAAG
 CCCTCCACAGTGAAGCTGTCTTCTGGTATGCCAGCCAGGAAAAGAAATCACAGAGGAGAGACCTTACTT
 CATATTGCTTCTATTAAGGGTGATATACCTTCTGTTGAATACCTTTCGAAAATGAAAACGCCAAATG
 TAAAGACCATGCTGGATGGACACCGTTGCATGAAGCCTGCAGTCATGGGCACCTGAAGGTAGTGGAGTT
 GCTGCTCCAGCATAATGCCCTGGTGAACACCCCTGGCTATCAGAATGACTCGCCACTCCACGATGCCGTC
 AAGAGTGGCCACATCGATATAGTCAAGGTGTTACTGTCCACGGTGTCCAGGAATGCTGTTAACATAT
 TTGGTGTGCGCCTGTGGACTATACAGACAATGAGAATAAAGATCATTATTGCTGCTGCCAGAGGAGAA
 TGAATCATTCTCAACTAGCCAGTGTCTATCGTGAACACCGGCCAGCGAAAAGAAATGGGCCGCTGGTATT
 ATAGGCAGTGGGCTTTTTCACAGCAGCAGAAAATGCTCAGCAAACCTTGAGACAGTCTTAAAGGCTAAA
 AGTGTATGGAATTTGACAGTACAGTAACCTCATGTATTGTTCTGATGAGGAAGCCAGAGTACTCTGAA
 GTGATGCTTGGGATTCTCAGTGGATGCTGGATCCTGAAGTTTGATTGGGTGAAAGCCTGTCTGGACAGC
 AAAGTACGTGAGCAGGAAGAAAAGTATGAAGTTCTGGAGGTCCACAGAGGAGCAGGCTCAACAGAGAGC
 AGCTGTTGCCAAAGCTGTTTGTGGATGCTACTTCTTTTGGGGGAAACTTCAAGCATCATCAAGGGGA
 TGACCTCCTTAAGCTCATTGCTGCAGCAGGAGGCAAGTCTGAGTCGCAAGCCCAAGCCAGACAGTGT
 GTGACTCAGACCATCAACACGGTTGCATACCATGCCAAGCCTGAGTCGGATCAGCGCTTCTGTACGCAGT
 ACATCGTCTACGAAGACCTGTTAACTGTCACCCAGAGAGGGTTCGGCAGGGCAAAGTCTGGATGGCTCC
 GTCCACCTGGCTTATCAGCTGTATAATGGCCTTGAATTGCTTCTTGTGACAGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_007525
Insert Size: 2298 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:	BC128370 , AAI28371
RefSeq Size:	2386 bp
RefSeq ORF:	2298 bp
Locus ID:	12021
UniProt ID:	O70445
Cytogenetics:	1 C3
Gene Summary:	E3 ubiquitin-protein ligase. The BRCA1-BARD1 heterodimer specifically mediates the formation of 'Lys-6'-linked polyubiquitin chains and coordinates a diverse range of cellular pathways such as DNA damage repair, ubiquitination and transcriptional regulation to maintain genomic stability. Plays a central role in the control of the cell cycle in response to DNA damage. Acts by mediating ubiquitin E3 ligase activity that is required for its tumor suppressor function. Also forms a heterodimer with CSTF1/CSTF-50 to modulate mRNA processing and RNAP II stability by inhibiting pre-mRNA 3' cleavage.[UniProtKB/Swiss-Prot Function]