

Product datasheet for **SC208778**

MDC1 (NM_014641) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MDC1 (NM_014641) Human 3' UTR Clone
Symbol:	MDC1
Synonyms:	NFBD1
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_014641
Insert Size:	688 bp
Insert Sequence:	>SC208778 3'UTR clone of NM_014641 The sequence shown below is from the reference sequence of NM_014641. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTCTCCCTTTGGAGATGTCATCCACCTGAGAACTCCACTACCCTTTCCCTCCCAGACCACGAATTAG
AAGATATGTGGAAGAAAGAACTCAGGGCGTTAGAAAGGATTGGGGTATATTGATACAACCTGTCCTGGA
ACATGGGTGGGACCAGAAATCTTTATGAATAAATGAAAAGATAAGGGATTGGAAGCCACAGGTTGTTT
TTTGGTTGTTGTTGTTGTTTTTAAATGGCCATTTATTTTATTTGTATTTATAGTTTTTTATTTGTATA
GATTTAGGGGATACAAGATTTCTTACATGCATGTATTAATGGCCATTTAAAATTAGCTAGTTTCATG
CTCAGATGTCATAAGTGGCAGCTATCTTTAGCCAGACTGTTGCAGTTATTGCTCGATGCCACTCATGGT
GTCCTACCTCCTATTTGGAAACCATCTCTATTTTTTTCTTACTGAGATTCTTACTTTGGGGTCAGGAAC
TTGAAGGGATGCTTGGAGTGAGTAGATTTGAGGGTCCAGTTATGGAGTGCTACTAAAACATTTCTTCT
CTCCTGGCCTCTGGAAGCATCTTAGCTTTGACTTTGGGCAAGTCTCTGTACTTTCTGGCCAGCTTTT
CCAGGATTTATAAAATTAGAGCTTCGGCTTGACCTCTGTGATAAATAAATATTCACTCTGTGCCTTA
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).



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Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_014641.3
Summary:	The protein encoded by this gene contains an N-terminal forkhead domain, two BRCA1 C-terminal (BRCT) motifs and a central domain with 13 repetitions of an approximately 41-amino acid sequence. The encoded protein is required to activate the intra-S phase and G2/M phase cell cycle checkpoints in response to DNA damage. This nuclear protein interacts with phosphorylated histone H2AX near sites of DNA double-strand breaks through its BRCT motifs, and facilitates recruitment of the ATM kinase and meiotic recombination 11 protein complex to DNA damage foci. [provided by RefSeq, Jul 2008]
Locus ID:	9656
MW:	26.3