

## Product datasheet for **SC211368**

### ICAD (DFFA) (NM\_004401) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	ICAD (DFFA) (NM_004401) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	DFFA
Synonyms:	DFF-45; DFF1; ICAD
ACCN:	NM_004401
Insert Size:	2000 bp



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**Insert Sequence:** >SC211368 3'UTR clone of NM\_004401  
 The sequence shown below is from the reference sequence of NM\_004401. 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
CCTAAGCGAGCCAGACAGGATCCCACATAGCAGCAGCGGGAAGTGTGCCAAGGAAGCTCTGTGGCGTTG
TGTTATTGGTAGACACCCTCAGCCTCATCATTTGACTACCTATGTACTACTCTACCCCTGCCTTAGAG
CACCTTCCAGAGAAGCTATTCCAGGTCTCAACATACGCCGTTCCACCAATTTTTTTTTTAGCCCCACCA
GCTTCAGGACTTCTGCCAATTTTGAATGATATAGCTGCACCAACAATATCCCGCCTCCTTAATTACAT
ATGATGTTCTCTGTTCAAAAGTAATTGGCAGTGATTGGCCAGGCGCAGTGGCTCACGCCTGTAATCCCA
GCACTGGGAGGCCGAGGGGGCGGATCGTGAAGTCAGGAGATCGAGACCATCCTGGCTAACATGGTGAA
ACCCTGTCTCTACTAAAAATACAAAAAAATTAGCCAGCCATGGTGGCGGGCGCCTGTAATCCCAGCTA
CTTGGGAGGCTGAGGCAGGAGAATGGCATGAACCTGGGAGGCAGAGCTTGCAGTGAGCTGAGATTGGCG
CACTGCACTCCAGCCTGGGCAACAGAGCGAGACTCCGTCTCAAAAAAAAAAAAAAAAAAAGTAATTGGC
AGTGACTATGGGCGCACTGCCTAACATTTAGCCCTGCCCATATGGAACATGTTAAAAAAAAAAAAAAGC
CAGGCCGAGCGTGTGGCTCACGCTTGAATCCCAGCACTTTGGGAGGCCGAGGGCGGTGGATCACGAG
GTCAGGAGATCGAGACCATCCTGGCTAACACAGTGAAACGTGTTTTACTAAAAGTACAAAAAACTAGC
TGGGCGTGGTGGCAGGAGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATTGCTTGAACCG
GGGAGGCAGAAGTTGCAGTGAGCCGAGATTATGCCACTGACTCCAGCCTGGGTGACAGAGTGACACTC
TGCTCAAAAAAAAAAAAAAAAAAGGACAGGCACGACAGTGGCTCACACCTTTGATCCCAGCACTTTGGA
GGCCGATGCAGGCGGATCACATGAGGTCAGGAGTTCAAGACCAACCTGGCCAATATGGTGAACCCCGT
CTCTACTAAAAATACAAAAATTAGCTGGGCATGATGGCGGGTGCCTGTAATCCCAGCTACTCGGTAGGC
AGAGGTTGCAGTGAGCTGAGAGCGCACCCTGCACTCCAGCCTGGGTGACAGAGCTAGACTCCGTATCT
CAAGAAAAAAAAAAAGTTTTGTTTTGTTTTTTGAGACAGAGTCTCACTCTGTCACCTAGTCTGGAGTG
CAGTGGCACATTTCTGGCTCACTGCAACCCCCACCTCCCAGGTTCAAGCGATTCTCTGTTTCAGCCTC
CTGAGCAGCTGGGATTACAGGCACGTGCCACCATGCCCGCTAATTTTTGTATTTTGTAGTAGAGACAGG
GTTTTGTACATTGGCCAGGCTGGTCTCAAACCTCTGACCTCAGGTGATCCACCCACCTCAGCCTCCCA
AAGTGCTGGGATTACAGGTGTGAGCCACCACCCTGGCCAGAAAAAAAGCTTTTAAATAAAGTAATTG
TCAGCTTAGGCAACATAGCAAGACCCTGTCTCTACAAAAAAATTTAAGTTAGCCAGGCATGGTGGC
ACTGACCTATAATCCTAGCTACTCTGGAGGCTAAGGCGAGAGTATCACTTGAAGCCAGGAGCTCAAGGC
TGATCATGCCACCATACTCCAGCCTGGATGATAGAGTAAGACCCTACTTTTTTTTTTTTTTTTTAAAA
AGGTAACCATCAAGGGCAATGAAAAGAAATGGTCGTATTTCCAATTCATTATCCTTATTCTGAAGATAG
TACGGCAGAAATTTAAGCAGAGATAGTGGTGAAGATGGTGACATTATAGAGTGTGACTATGGCCACAA
TCTTGTCTCCAGTAAATGAATTTTTTATGTGTTTGTAAAGATACATATTAAGCTTGTAGACCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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**Restriction Sites:** SgfI-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).

**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\\_004401.3](#)

**Summary:**

Apoptosis is a cell death process that removes toxic and/or useless cells during mammalian development. The apoptotic process is accompanied by shrinkage and fragmentation of the cells and nuclei and degradation of the chromosomal DNA into nucleosomal units. DNA fragmentation factor (DFF) is a heterodimeric protein of 40-kD (DFFB) and 45-kD (DFFA) subunits. DFFA is the substrate for caspase-3 and triggers DNA fragmentation during apoptosis. DFF becomes activated when DFFA is cleaved by caspase-3. The cleaved fragments of DFFA dissociate from DFFB, the active component of DFF. DFFB has been found to trigger both DNA fragmentation and chromatin condensation during apoptosis. Two alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

**Locus ID:**

1676

**MW:**

75.6