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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
Symbol:	ICAD
Synonyms:	DFF-45; DFF1; ICAD
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
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

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCTAAGCGAGCCAGACAGGATCCCACATAGCAGCAGCGGGAAGTGTGCCAAGGAAGCTCTGTGGCGTTG
TGTTATTGGTAGACACCCTCAGCCTCATCATTTGACTACCTATGTACTACTCTACCCCCTGCCTTAGAG
CACCTTCCAGAGAAGCTATTCCAGGTCTCAACATACGCCGTTCCACCAATTTTTTTTTTAGCCCCACCA
GCTTCAGGACTTCTGCCAATTTTGAATGATATAGCTGCACCAACAATATCCCGCCTCCTCTAATTACAT
ATGATGTTCTCTGTTCAAAAGTAATTGGCAGTGATTGGCCAGGCGCAGTGGCTCACGCCTGTAATCCCA
GCACTGGGAGGCCGAGGGGGGCGGATCGTGAAGTCAGGAGATCGAGACCATCCTGGCTAACATGGTGAA
ACCCTGTCTCTACTAAAAATACAAAAAAAATTAGCCAGCCATGGTGGCGGGCGCCTGTAATCCCAGCTA
CTTGGGAGGCTGAGGCAGGAGAATGGCATGAACCTGGGAGGCAGAGCTTGCAGTGAGCTGAGATTGCGC
CACTGCACTCCAGCCTGGGCAACAGAGCGAGACTCCGTCTCAAAAAAAAAAAAAAAAAAAAGTAATTGGC
AGTGACTATGGGCGCACTGCCTAACATTTAGCCCTGCCCCATATGGAACATGTTAAAAAAAAAAAAAGC
CAGGCCGAGCGTGTTGGCTCACGCTTGTAATCCCAGCACTTTGGGAGGCCGAGGCGGGTGGATCACGAG
GTCAGGAGATCGAGACCATCCTGGCTAACACAGTGAAACGTGTTTTTACTAAAAGTACAAAAAACTAGC
TGGGCGTGGTGGCAGGAGCCTGTAGTCCCAGCTACTCGGGAGGCTGAGGCAGGAGAATTGCTTGAACCG
GGGAGGCAGAAGTTGCAGTGAGCCGAGATTATGCCACTGTACTCCAGCCTGGGTGACAGAGTGACACTC
TGTCTCAAAAAAAAAAAAAAAAAAGGACAGGCACGACAGTGGCTCACACCTTTGATCCCAGCACTTTGGA
GGCCGATGCAGGCGGATCACATGAGGTCAGGAGTTCAAGACCAACCTGGCCAATATGGTGAAACCCCGT
CTCTACTAAAAATACAAAAATTAGCTGGGCATGATGGCGGGTGCCTGTAATCCCAGCTACTCGGTAGGC
AGAGGTTGCAGTGAGCTGAGAGCGCACCACTGCACTCCAGCCTGGGTGACAGAGCTAGACTCCGTATCT
CAAGAAAAAAAAAAAAGTTTTGTTTTGTTTTTTTGAGACAGAGTCTCACTCTGTCACCTAGTCTGGAGTG
CAGTGGCACATTCTCGGCTCACTGCAACCCCCACCTCCCAGGTTCAAGCGATTCTCCTGTTTCAGCCTC
CTGAGCAGCTGGGATTACAGGCACGTGCCACCATGCCCGGCTAATTTTTGTATTTTTAGTAGAGACAGG
GTTTTGTCACATTGGCCAGGCTGGTCTCAAACTCCTGACCTCAGGTGATCCACCCACCTCAGCCTCCCA
AAGTGCTGGGATTACAGGTGTGAGCCACCACCCCTGGCCAGAAAAAAAAGCTTTTAAATAAAGTAATTG
TCAGCTTAGGCAACATAGCAAGACCCTGTCTCTACAAAAAAAAAATTTAAGTTAGCCAGGCATGGTGGC
ACTGACCTATAATCCTAGCTACTCTGGAGGCTAAGGCGAGAGTATCACTTGAGCCCAGGAGCTCAAGGC
TGATCATGCCACCATACTCCAGCCTGGATGATAGAGTAAGACCCTACTTTTTTTTTTTTTTTTTTAAAA
AGGTAACCATCAAGGGCAATGAAAAGAAATGGTCGTATTTCCAATTCATTATCCTTATTCTGAAGATAG
TACGGCAGAATTTTAAGCAGAGATAGTGGTGAAGATGGTGACATTATAGAGTGTTGACTATGGCCACAA
TCTTGTTTCTCCAGTTAATGAATTTTTTTATGTGTTTGTTTAAAGATACATATTAAGCTTGTAGACCA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

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