

Product datasheet for MR203510

Dffa (NM_010044) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dffa (NM_010044) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dffa
Synonyms:	A330085O09Rik; DFF35; Dff45; ICAD; ICAD-L; ICAD-S
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203510 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCTGTCGCGGGGAGCCAGCGCCCCAGACCCGGACGATGTCGGCCTCTCAAACCGTGTCTGCTAC
GCCGCAACCACAGCCGCGATCAGCACGGCGTGGCAGCCTCCAGTCTCGAGGAGCTGAGGAGCAAAGCCTG
TGAACCTCTGGCCATTGATAAGTCCCTGACGCCGATCACCTGGTCTGGCTGAGGACGGGACCATAGTG
GATGACGATGACTACTTCTCTGCCTTCTTCCAATACGAAGTTTGTGGCGTTGGCCTGCAATGAGAAGT
GGATTTATAATGATTCCGATGGAGGGACGGCTTGGGTTTCCCAAGAGTCTTTGAGGCAGATGAGCCGGA
CAGCAGGGCAGGGTGAAGTGAAGAATGTGGCCAGGCAGCTGAAAGAAGATCTGTCCAGCATCATCCTG
CTGTCCAGAAAGAGGACCTCCAAGCGCTCATCGACATCCCATGTGCAGAGCTGGCTCAGGAACCTCTGCCAAA
GCTGTGCCACTGTCCAGGGGCTGCAGAGCACACTCCAGCAGGTGCTTGACCAGAGAGAGGAAGCCCGCCA
GTCCAAGCAGCTCCTGGAACCTTACCTCCAGGCCTTGAGAAAAGAGGGCAACATCTTGTCCAACCAGAAA
GAGTCAAAGCTGCCCTCAGTGAAGAGCTGGATGCAGTTGACACAGGCGTCGGCAGAGAGATGGCTTCGG
AAGTGCTGCTCAGAAGCCAGATCCTTACCACACTGAAGGAGAAGCCTGCCCCAGAGCTGAGTTTATCTAG
TCAGGATTTGGAGGTGGCAAGAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR203510 protein sequence
Red=Cloning site Green=Tags(s)

MELSRGASAPDDVRLPKCLLRNHSRDQHVAASSLEELRSKACELLAIDKSLTPITLVLAEDGTIV
 DDDDYFLCLPSNTKFVALACNEKIYNDSDGGTAWVSQESFEADEPDSRAGVKWKNVARQLKEDLSSIIIL
 LSEEDLQALIDIPCAELAQELCQSCATVQGLQSTLQQVLDQREEARQSKQLELYLQALEKEGNILSNQK
 ESKAALSEELDAVDTGVGREMASEVLLRSQILTLKEKPAPELSLSSQDLEVGKN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_010044

ORF Size: 798 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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: [NM_010044.3](#)

RefSeq Size: 1097 bp

RefSeq ORF: 798 bp

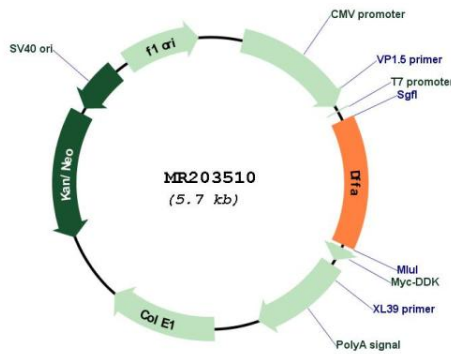
Locus ID: 13347

Cytogenetics: 4 E2

MW: 29.2 kDa

Gene Summary: Inhibitor of the caspase-activated DNase (DFF40).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203510