

Product datasheet for **MR202144**

Fadd (NM_010175) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fadd (NM_010175) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Fadd
Synonyms:	Mort1/FADD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202144 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACCCATTCTGGTCTGCTGCACTCGCTGTCCGGCAGCCTGTGGGCAACGATCTGATGGAGCTCA
AGTTCTTGTGCCGCGAGCGCTGAGCAAACGAAAGCTGGAGCGCTGCAGAGTGGCTGGACCTGTTTAC
GGTCTGCTGGAGCAGAACGACCTGGAGCGGGGCACACCGGGCTGTGCGCGAGTTGCTGGCCTCGCTG
CGCCGACACGATCTACTGCAGCGCTGGACGACTTCGAGGCGGGACGGCGACCGCTGCGCCCCGGGGG
AGGCAGATCTGCAGGTGGCATTGACATTGTGTGTGACAATGTGGGAGAGACTGAAAAGACTGGCCCG
CGAGCTGAAGGTGTCTGAGGCCAAGATGGATGGGATTGAGGAGAAGTACCCCGAAGTCTGAGTGAGCGG
GTAAGGGAGAGTCTGAAAGTCTGGAAGAATGCTGAGAAGAAGACGCCTCGGTGGCCGGACTGGTTAAGG
CGCTGCGGACCTGCAGGCTGAATCTGGTGGCTGACCTGGTGAAGAAGCCAGGAATCTGTGAGCAAGAG
TGAGAATATGTCCCACTACTAAGGGATTCAACTGTGTCTTCTCAGAAACACCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>MR202144 protein sequence Red=Cloning site Green=Tags(s)
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MDPFLVLLHSLSGSLSGNDLMELKFLCRERVSKRKLERVQSGDLFTVLLEQNDLERGHTGLLRELLASL
RRHDLQLRDLDFEAGTATAAPPGADLQVAFDIVCDNVGRDWKRLARELVSEAKMDGIEEKYPRLSER
VRESLKVWKNAEKKNASVAGLVKALRTCRLNLVADLVEEAQESVSKSENMSPLVRDSTVSSSETP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_010175

ORF Size: 615 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_010175.6

RefSeq Size: 2871 bp

RefSeq ORF: 618 bp

Locus ID: 14082

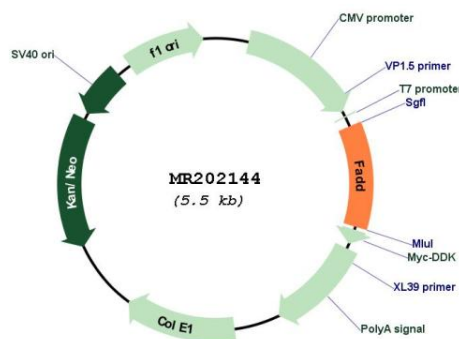
UniProt ID: Q61160

Cytogenetics: 7 88.85 cM

MW: 23 kDa

Gene Summary: Apoptotic adaptor molecule that recruits caspase-8 or caspase-10 to the activated Fas (CD95) or TNFR-1 receptors. The resulting aggregate called the death-inducing signaling complex (DISC) performs caspase-8 proteolytic activation. Active caspase-8 initiates the subsequent cascade of caspases mediating apoptosis (By similarity). Involved in interferon-mediated antiviral immune response, playing a role in the positive regulation of interferon signaling (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202144