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Product datasheet for SC117739

FADD (NM_003824) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FADD (NM_003824) Human Untagged Clone
Tag:	Tag Free
Symbol:	FADD
Synonyms:	GIG3; MORT1
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

View online »

Fully Sequenced ORF:

>OriGene sequence for NM_003824 edited
GAATTCGGCACGAGGCGCTCTTGTCGATTTCCTGTAGTGAATCAGGCACCGGAGTGCAGG
TTCGGGGGTGGAATCCTTGGGCCGCTGGGCAAGCGGCGAGACCTGGCCAGGGCCAGCGAG
CCGAGGACAGAGGGCGCGCGGAGGGCCGGGCCGCAGCCCCGGCCGCTTGCAGACCCCGCC
ATGGACCCGTTCCTGGTGCTGCTGCACTCGGTGTCGTCCAGCCTGTCGAGCAGCGAGCTG
ACCGAGCTCAAGTTCCTATGCCTCGGGCGCGTGGGCAAGCGCAAGCTGGAGCGCGTGCAG
AGCGGCCTAGACCTCTTCTCCATGCTGCTGGAGCAGAACGACCTGGAGCCCGGGCACACC
GAGCTCCTGCGCGAGCTGCTCGCCTCCCTGCGGCGCCACGACCTGCTGCGGCGCGTCGAC
GACTTCGAGGCGGGGGCGGCGGCCGGGGCCGCGCCTGGGGAAGAAGACCTGTGTGCAGCA
TTTAACGTCATATGTGATAATGTGGGGAAAGATTGGAGAAGGCTGGCTCGTCAGCTCAAA
GTCTCAGACACCAAGATCGACAGCATCGAGGACAGATACCCCCGCAACCTGACAGAGCGT
GTGCGGGAGTCACTGAGAATCTGGAAGAACACAGAGAAGGAGAACGCAACAGTGGCCCAC
CTGGTGGGGGCTCTCAGGTCCTGCCAGATGAACCTGGTGGCTGACCTGGTACAAGAGGTT
CAGCAGGCCCGTGACCTCCAGAACAGGAGTGGGGCCATGTCCCCGATGTCATGGAACTCA
GACGCATCTACCTCCGAAGCGTCCTGATGGGCCGCTGCTTTGCGCTGGTGGACCACAGGC
ATCTACACAGCCTGGACTTTGGTTCTCTCCAGGAAGGTAGCCCAGCACTGTGAAGACCCA
GCAGGAAGCCAGGCTGAGTGAGCCACAGACCACCTGCTTCTGAACTCAAGCTGCGTTTAT
TAATGCCTCTCCCGCACCAGGCCGGGCTTGGGCCCTGCACAGATATTTCCATTTCTTCCT
CACTATGACACTGAGCAAGATCTTGTCTCCACTAAATGAGCTCCTGCGGGAGTAGTTGGA
AAGTTGGAACCGTGTCCAGCACAGAAGGAATCTGTGCAGATGAGCAGTCACACTGTTACT
CCACAGCGGAGGAGACCAGCTCAGAGGCCCAGGAATCGGAGCGAAGCAGAGAGGTGGAGA
ACTGGGATTTGAACCCCCGCCATCCTTCACCAGAGCCCATGCTCAACCACTGTGGCGTTC
TGCTGCCCCTGCAGTTGGCAGAAAGGATGTTTTGTCCCATTTCCTTGGAGGCCACCGGGA
CAGACCTGGACACTAGGGTCAGGCGGGGTGCTGTTGTGGTGGGGAGAGGCATGGCTGGGG
TGGGGGTGGGGAGACCTGGTTGGCCGTGGTCCAGCTCTTGGCCCCTGTGTGAGTTGAGTC
TCCTCTCTGAGACTGCTAAGTAGGGGCAGTGATGGTTGCCAGGACGAATTGAGATAATAT
CTGTGAGGTGCTGATGAGTGATTGACACACAGCACTCTCTAAATCTTCCTTGTGAGGATT
ATGGGTCCTGCAATTCTACAGTTTCTTACTGTTTTGTATCAAAATCACTATCTTTCTGAT
AACAGAATTGCCAAGGCAGCGGGATCTCGTATCTTTAAAAAGCAGTCCTCTTATTCCTAA
GGTAATCCTATTAAAACACAGCTTTACAACTTCAAAAAAAAAAAAAAAAAAAAAAAAAAA
CTCGAC

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_003824 unedited
TTCAAAATTTGTAATACGACTTCACTATAGGGCGGCCGCGAATTCGCACGAGGCGCTCTT
GTCGATTTCCTGTAGTGAATCAGGCACCGGAGTGCAGGTTCGGGGGTGGAATCCTTGGGC
CGCTGGGCAAGCGGCGAGACCTGGCCAGGGCCAGCGAGCCGAGGACAGAGGGCGCGCGGA
GGGCCGGGCCGCAGCCCCGGCCGCTTGCAGACCCCGCCATGGACCCGTTCCTGGTGCTGC
TGCACTCGGTGTCGTCCAGCCTGTCGAGCAGCGAGCTGACCGAGCTCAAGTTCCTATGCC
TCGGGCGCGTGGGCAAGCGCAAGCTGGAGCGCGTGCAGAGCGGCCTAGACCTCTTCTCCA
TGCTGCTGGAGCAGAACGACCTGGAGCCCGGGCACACCGAGCTCCTGCGCGAGCTGCTCG
CCTCCCTGCGGCGCCACGACCTGCTGCGGCGCGTCGACGACTTCGAGGCGGGGGGCGGCG
GCCGGNGCCGCGCCTGGGGAAGAAGACCTGTGTGCAGCATTTAACGTCATATGTGATAAT
GTGGGGAAAGATTGGAGAAGGCTGGCTCGTCAGCTCAAAGTCTCAGACACCAAGATCGAC
AGCATCGAGGACAGATACCCCCGCAACCTGACAGAGCGTGTGCGGGGAGTCACTGAGAAT
CTGGAAGAACACAGAGAAGGAGAACGCAACAGTGGCCACCTGGGTGGGGGCTTCTCAGGT
CCTGCCAGATGAACCTGGNTGGCTGACCTGGACCCAAGAGGTTCCAGCAGGGCCCGTGAC
CTCAGACAGGAGGATTGGGGCCATGTCCCCCGATGTCATGGGACTCAGACGCATCACCTC
CCAACGCCCCTGATGGGCCGCTGCTTTGGCCCTGGTGGACCACAGCATCTACCAGNCGGC
ATTTTTGGTCTCTCCCAGGAAGGGTACCCACCCTTGGGAAGACCCAGCAGAGCC

3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_003824 unedited
GACCGCGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTGAAGTTG
TAAAGCTGTGTTTTAATAGGATTACCTTAGGAATAAGAGGACTGCTTTTTAAAGATACGA
GATCCCGCTGCCTTGGCAATTCTGTTATCAGAAAGATAGTGATTTTGATACAAAACAGTA
AGAAACTGTAGAATTGCAGGACCCATAATCCTCACAAGGAAGATTTAAAGAGTGCTGTGT
GTCAATCACTCATCAGCACCTCACAGATATTATCTCAATTCGTCCTGGCAACCATCACTG
CCCCTACTTAGCAGTCTCAGAGAGGAGACTCAACTCACACAGGGGCCAAGAGCTGGACCA
CGGCCAACCAGGTCTCCCCACCCCCACCCCAGCCATGCCTTTCCCCACCACAACAGCACC
CCGCCTGACCCTAGTGTCCAGGTCTGTCCCGGTGGCCTCCAAGGAAATGGGACAAAACAT
CCTTTCTGCCAACTGCAGGGGCAGCAGAACGCCACAGTGGTTGAGCATGGGCTCTGGTGA
AGGATGGCGGGGGTTCAAATCCCAGTTCTCCACCTCTCTGCTTCGCTCCGATTCCTGGGC
CTCTGAGCTGGTCTCCTCCGCTGTGGAGTAACAGTGTGACTGCTTATCTGCACAGATTCC
CTTTGTGCTGGACACGGTTCCAACTTTCCAACTACTCCCGCCAGAGCTTATTTATTGGAA
ACCAGATCTTGGCTCAATGGCTTAGTGAGGGAGAAATGGAAATTTTTGTGCAGGGCCCAA
CCCCGGCCTGGTGCGGGGAAGGGCTTTTATAAACCCAGCTTGATTTCAAAACAGGGGGGC
TGTGGCTCACTTACACCGGCTTTCTGCTGGGGCTTACAAGGGCTGGGCTCCTTCTGGAAA
AAACCCAATCCCAGCT
```

Restriction Sites: NotI-NotI

ACCN: NM_003824

Insert Size: 1970 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_003824.2, NP_003815.1

RefSeq Size: 1873 bp

RefSeq ORF: 627 bp

Locus ID: 8772

UniProt ID: Q13158

Cytogenetics: 11q13.3

Domains: DEATH, DED

Protein Families: Druggable Genome

Protein Pathways: Alzheimer's disease, Apoptosis, Pathways in cancer, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway

Gene Summary: The protein encoded by this gene is an adaptor molecule that interacts with various cell surface receptors and mediates cell apoptotic signals. Through its C-terminal death domain, this protein can be recruited by TNFRSF6/Fas-receptor, tumor necrosis factor receptor, TNFRSF25, and TNFSF10/TRAIL-receptor, and thus it participates in the death signaling initiated by these receptors. Interaction of this protein with the receptors unmasks the N-terminal effector domain of this protein, which allows it to recruit caspase-8, and thereby activate the cysteine protease cascade. Knockout studies in mice also suggest the importance of this protein in early T cell development. [provided by RefSeq, Jul 2008]