

Product datasheet for **RC230098**

FLAD1 (NM_001184891) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FLAD1 (NM_001184891) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	FLAD1
Synonyms:	FAD1; FADS; LSMFLAD; PP591
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide
Sequence:**

>RC230098 representing NM_001184891
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACATCTAGGGCCTCTGAACCTTCTCCGGGGCGCAGCGTGACGGCTGGCATCATCATTGTTGGAGATG
 AGATCCTTAAGGGACACACTCAGGACACCAACACCTTCTTTCTGTGCCGACACTGCGCTCCCTAGGGGT
 CCAGGTTTGCCGAGTCTCAGTTGTACCTGATGAGGTAGCCACCATTGCAGCTGAGGTCACTTCTTTCTCC
 AACCGTTCAACCATGTCTCACAGCAGGGGGCATCGGCCCACTCATGATGATGTGACCTTTGAGGCAG
 TGGCACAGGCCTTTGGAGATGAGCTGAAGCCACACCCCAAGTTGGAAGCAGCCACCAAGCCCTAGGAGG
 GGAAGGCTGGGAGAAGCTATCATTGGTGCCTCCTCTGCCCGCCTGCATTATGGCACAGATCCTTGCACT
 GGTCAACCTTTCAGATTCCTCTGGTCTCCGTCCGAAACGTCTACCTCTTCCAGGCATTCCAGAGCTGC
 TCGGGCGGGTCTGGAGGGGATGAAGGGACTATCCAAAACCCAGCTGTTCAAGTCCACTCAAAGGAGCT
 ATATGTGGCTGTGATGAAGCCTCCATCGCCCCATTCTGGCTGAGGCCAGGCCCACTTTGGACGTAGG
 CTTGGCCTGGGTTCTACCTGACTGGGGCAGCAACTACTATCAGGTGAAGCTGACTCTAGACTCAGAGG
 AAGAAGGACCCCTGGAGGAATGCTTGGCTACCTGACTGCCCCTTTGCCCCAGGGATCGCTGGTCCCTTA
 CATGCCAACGCTGTGGAGCAGGCCAGTGAGGCTGTATACAACTCGCTGAATCAGGGTCTTCTTTGGGG
 AAAAAGGTGGCAGGTGCCCTACAGACCTTCTGAGACCTCCCTGGCTCAGTACAGCCTCACCAGCTCTGTG
 TGGGCTTCAACGGGGGCAAAGACTGCACTGCCCTCCTGCACCTCTTCCATGCAGCTGTGCAGAGGAATT
 ACCTGATGTTCCAAACCCCTCCAGATCCTGTATATCCGAGCATCTCCCTTTCCCTGAGCTGGAACAG
 TTTCTACAGGACACTATCAAGAGGTATAATCTGCAGATGTTGGAAGCTGAGGGCAGCATGAAGCAGGCCC
 TGGGTGAAGTGCAGGCACGGCACCCCAAGCTGGAGGCTGTCCTTATGGGCACCCGCGGACTGACCCCTA
 CTCCTGTAGCCTCTGCCCTTTCAGCCCCACTGACCCAGGCTGGCCCGCATTTCATGCGCATCAACCCACTG
 CTGGACTGGACCTACAGAGACATCTGGGATTTCTGCGTCAGCTGTTTGTCCATACTGTATCCTGTATG
 ACCGAGGG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

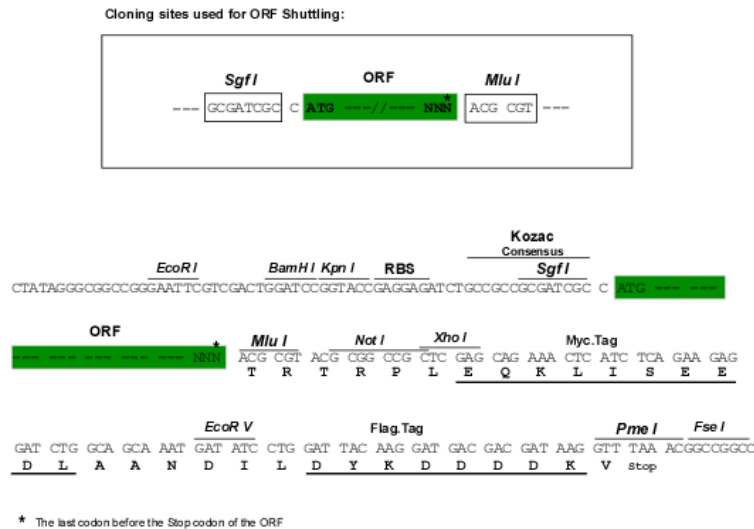
>RC230098 representing NM_001184891
 Red=Cloning site Green=Tags(s)

MTSRASELSPGRSVTAGIIIVGDEILKGHTQDNTNFFLCRTLRLSLGVQVCRVSVVPDEVATIAAEVTSFS
 NRFTHTVLTAGGIGPTHDDVTFEAVAQAFGDELKPHPKLEAATKALGGEGWEKLSLVPSSARLHYGDPCT
 GQPFRRFPLVSVRNYYLFPGIPELLRRVLEGMKGLFQNPVQFHSKELYVAADASIAPILAEQAHFGRRL
 LGLGSPDWGNSYYQVKLTLDSEEEGLEECLAYLTARLPQGSVPYMPNAVEQASEAVYKLAESGSSLG
 KKVAGALQTIETSLAQYSLTQLCVGFNGGKDTALLHLFHAQVQRKLPDVPNPLQILYIRISIPFPELEQ
 FLQDTIKRYNLQMLEAEGSMKQALGELQARHPQLEAVLMGTRRTDPYSCSLCPFSPDPGWPFAFMRINPL
 LDWTRYRDIWDFLRQLFVPYCILYDRG

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001184891

ORF Size: 1338 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.

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

RefSeq: [NM_001184891.2](#)

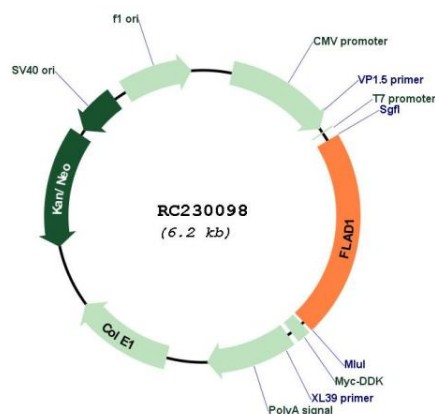
RefSeq ORF: 1341 bp

Locus ID: 80308

UniProt ID: [Q8NFF5](#)

Cytogenetics:	1q21.3
Protein Pathways:	Metabolic pathways, Riboflavin metabolism
MW:	49.6 kDa
Gene Summary:	This gene encodes the enzyme that catalyzes adenylation of flavin mononucleotide (FMN) to form flavin adenine dinucleotide (FAD) coenzyme. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC230098