

Product datasheet for **SC328483**

FLAD1 (NM_001184892) Human Untagged Clone

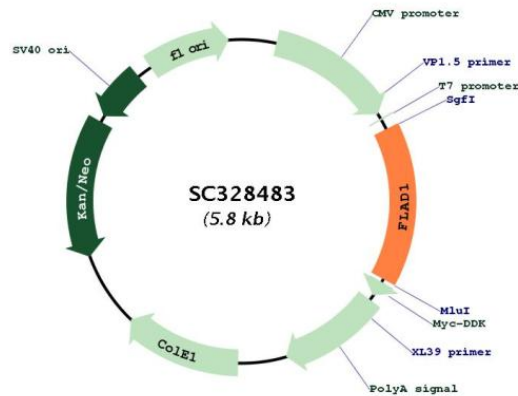
Product data:

Product Type:	Expression Plasmids
Product Name:	FLAD1 (NM_001184892) Human Untagged Clone
Tag:	Tag Free
Symbol:	FLAD1
Synonyms:	FAD1; FADS; LSMFLAD; PP591
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC328483 representing NM_001184892. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGCAGCCATCATCTTCAACCCCTCCCCTTCATCCCTACAGTACTGATGGCCTCATCTTCCCCTTCAAC
CCCCAGGGACACACTCAGGACACCAACACCTTCTTTCTGTGCCGGACTGCGCTCCCTAGGGGTCCAG
GTTTGCCGAGTCTCAGTTGTACCTGATGAGGTAGCCACCATTGCAGCTGAGGTCACCTTTCTCCAAC
CGCTTACCCATGTCCTCACAGCAGGGGGCATCGGCCCACTCATGATGATGTGACCTTTGAGGCAGTG
GCACAGGCCTTTGGAGATGAGCTGAAGCCACACCCCAAGTTGGAAGCAGCCACCAAGCCCTAGGAGGG
GAAGGCTGGGAGAAGCTATCATTGGTGCCCTCCTCTGCCCGCCTGCATTATGGCACAGATCCTTGCACT
GGTCAACCTTTCAGATTCCTCTGGTCTCCGTCGAAACGTCTACCTTCCCAGGCATTCCAGAGCTG
CTGCGGGGGTGCTGGAGGGGATGAAGGGACTATTCCAAAACCCAGCTGTTCAAGTCCACTCAAAGGAG
CTATATGTGGCTGCTGATGAAGCCTCCATCGCCCCATTCTGGCTGAGGCCAGGCCACTTTGGACGT
AGGCTTGGCTGGGTTCCCTACCTGACTGGGCGAGCAACTACTATCAGGTGAAGCTGACTCTAGACTCA
GAGGAAGAAGGACCCCTGGAGGAATGCTTGGCTACCTGACTGCCGTTTGCCCCAGGGATCGCTGGTC
CCCTACATGCCAACGCTGTGGAGCAGGCCAGTGAGGCTGTATACAACTCGTGAATCAGTAGGGAC
CTTATGGAGGAGGGCATTATGCCCAAAGCCATTGGTGGCACCCAGATCTCAGTAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: Sgfl-Mlul



Plasmid Map:


ACCN: NM_001184892

Insert Size: 885 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001184892.1](#)

RefSeq Size: 1911 bp

RefSeq ORF: 885 bp

Locus ID:	80308
UniProt ID:	Q8NFF5
Cytogenetics:	1q21.3
Protein Pathways:	Metabolic pathways, Riboflavin metabolism
MW:	32.4 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) has multiple differences and initiates translation at an alternate start codon, compared to variant 1. The encoded protein (isoform 4) has a distinct N- and C-termini and is shorter when it is compared to isoform 1.</p>