

Product datasheet for **MG206783**

Plin2 (NM_007408) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plin2 (NM_007408) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Plin2
Synonyms:	AA407157; Adfp; ADPH; Adrp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG206783 representing NM_007408 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCAGCAGTAGTGGATCCGCAACAGAGCGTGGTGATGAGAGTGGCCAACCTGCCCTTGGTGAAGCT
CTACCTACGACCTTGTGTCCTCCGCTTATGTCAGTACAAAGGATCAGTACCCGTATTTGAGATCCGTGTG
TGAGATGGCCGAGAAGGGCGTGAAGACCGTGACCTCTGCGGCCATGACAAGTGCCTGCCATCATCCAG
AAGCTGGAGCCACAAATTGCGGTTGCCAATACCTATGCCTGCAAGGGCTAGACAGGATGGAGGAAAGC
TGCCATTCTGAACCAGCCAACGTCGAGATTGTTGCCAGTGCCAGAGGTGCCGTAAGTGGGCGAAGGA
TGTGGTGACGACTACCATGGCTGGAGCCAAGGATTCTGTAGCCAGCACAGTCTCAGGGGTGGTGGATAAG
ACCAAAGGAGCAGTGACTGGCAGCGTGGAAAGGACCAAGTCTGTGGTCAATGGCAGCATCAATACAGTTT
TGGGGATGGTGCAGTTTCAAGCAGTGGAGTAGATAATGCCATACCAAGTCGGAGCTGCTGGTAGACCA
GTACTTCCCTCTCACTCAGGAGGAGCTGGAGATGGAAGCAAAAAGGTGGAAGGATTTGATATGGTTCAG
AAGCCGAGCAACTATGAACGGCTGGAGTCCCTGTCTACCAAGCTCTGCTCTCGGGCTTATCACCAGGCTC
TCAGCAGGGTTAAAGAGGCCAAACAAAAGAGCCAGGAGACCATTCTCAGCTCCACTCCACTGTCCACCT
GATTGAATTCGCCAGGAAGAATATGCACAGTGCCAACCAGAAAATTCAGGGTGCTCAGGATAAGCTCTAT
GTCTCGTGGGTGGAGTGGAAAGAGAAGCATCGGCTACGACGACCCGATGAGTCCACTGTGTTGAGCACA
TCGAGTCAGTACTCTGGCTATCGCCCGAACCTGACCCAGCAGCTCCAGACTACATGCCAGACTGTCT
GGTCAACGCCAAGGGTTACCACAGAACATTCAAGATCAGGCCAAACACTTGGGGGTGATGGCAGGCGAC
ATCTACTCCGTATTCGCAATGCTGCCTCCTTTAAGGAAGTGTCCGATGGCGTCCACACTAGCAAGG
GGCAGCTGCAGAAAATGAAGGAATCCTTAGATGAAGTTATGGATTACTTTGTTAACAACAGCCTCTCAA
CTGGCTGGTAGGTCCTTTTATCCTCAGTCTACCGAGGTGAACAAGGCCAGCCTGAAGGTCCAGCAGTCT
GAGGTCAAAGCTCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG206783 representing NM_007408
 Red=Cloning site Green=Tags(s)

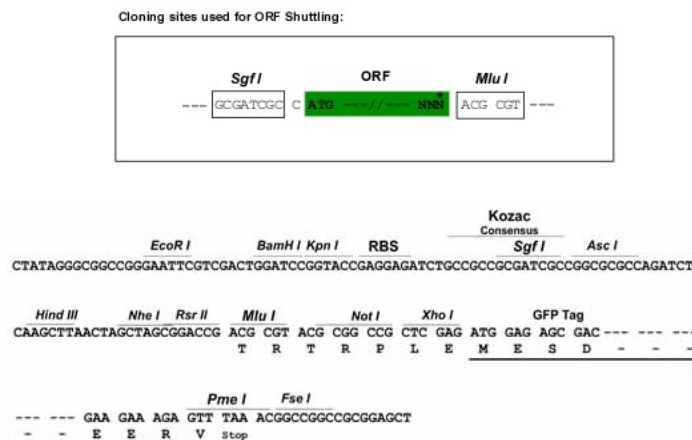
MAAAVDPQQSVVMRVANLPLVSSYDYLVSAYVSTKDQYPYLRVCEMAEKGVKTVTSAAMTSALPIIQ
 KLEPQIAVANTYACKGLDRMEERLPILNQPTSEIVASARGAVTGAKDVVTTMAGAKDSVASTVSGVVDK
 TKGAVTGSVERTKSVVNGSINTVLGMVQFMNSGVDNAITKSELLVDQYFPLTQEELEMEAKKVEGFDMVQ
 KPSNYERLESSTKLCSRAYHQALSRVKEAKQKSQETISQLHSTVHLIEFARKNMHSANQKIQGAQDKLY
 VSWVEWKRISIGYDDTDESHCVEHIESRTLAIARNLTQQLQTTCTQTVLVNAQGLPQNIQDQAKHLGVMAGD
 IYSVFRNAASFKEVSDGVLTSKQGLQKMKESLDEVMDYFVNNTPLNWL VGFYPQSTEVNKASLKVQQS
 EVKAQ

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_007408

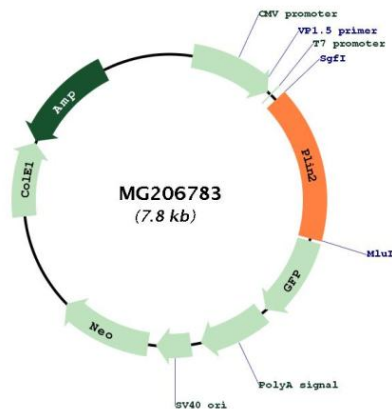
ORF Size: 1275 bp

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:	<ol style="list-style-type: none"> 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:	<u>NM_007408.3, NP_031434.3</u>
RefSeq Size:	1887 bp
RefSeq ORF:	1278 bp
Locus ID:	11520
UniProt ID:	<u>P43883</u>
Cytogenetics:	4 40.69 cM
Gene Summary:	May be involved in development and maintenance of adipose tissue.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG206783