

Product datasheet for **MR208288**

Plin1 (NM_001113471) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Plin1 (NM_001113471) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Plin1
Synonyms:	6030432J05Rik; Peri; Plin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR208288 representing NM_001113471
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCAATGAACAAGGGCCCAACCTGCTGGATGGAGACCTCCCTGAGCAGGAGAACGTGCTCCAGAGAG
 TTCTGCAGCTGCCTGTGGTGAGCGGACCTGTGAGTGCTTCCAGAAGACCTACAACAGCACCAAAGAAGC
 CCACCCCTGGTGGCCTCTGTGTGCAATGCCTATGAGAAGGGTGTACAGGGTGCCAGCAACCTGGCTGCC
 TGGAGCATGGAGCCGGTGGTCCGTGGCTGTCCACCCAGTTCACAGCTGCCAATGAGTTGGCCTGCAGAG
 GCCTGGACCACCTGGAGGAAAAGATCCCGGCTCTCAATACCCTCCAGAAAAGATCGCCTCTGAAGTAA
 GGGCACCATCTACCCGCCTCGAAGCGCCAGGAACAGCATCAGTGTGCCATTGCAAGCACCTCTGAC
 AAGTTCTGGGGCCACTCTGGCCGGCTGCGAGCTTGCCTGGGGATGGCCAAAGAGACAGCAGAATATG
 CCGCCAACACCCGGTGGCCGACTGGCCTCTGGAGGGGCTGATCTGGCTCTGGGAAGCATCGAGAAGGT
 GGTAGAGTTCCTCTGCCACCAGACAAGGAGTCAGCCCTTCTCCGGACGGCAGAGGCCAGAAGGCT
 CCCAAGGCCAAACCAAGCCTTGTGAGGAGGGTCAGCACCTGGCCAACACTCTTTCTCGACACACCATGC
 AAACCACAGCATGGGCCCTGAAGCAGGGCCACTCTCTGGCCATGTGGATCCCGGGTGTGGCACCCCTGAG
 CAGCCTGGCCAGTGGGGCGCATCGGCAGCCATGCAGGTGGTGTCCCGGGCAGAGTGGGTGGGGTG
 CCCTGGCTGCACAACCTGGCAGCCTCTCAGGATGAGAGCCATGACGACCAGACAGACAGAGGGGAGAGG
 AGACAGACGACGAGGAGGAGGAAGAAGAGTCCGAGGCTGAGGAGAACGTGCTCAGAGAGTTACAGCCCT
 GCCCAACCCGAGAGGCCCTCTGGTGGTGTGGTACACACCGTGCAGAACACTCTCCGGAACACCATCTCC
 GCAGTACCTGGGCACCTGCGGCTGTGCTGGGCACGGTGGGAAGGATCCTGCACCTCACACCAGCCAGG
 CTGTCTCTCTACCAAGGGAGGGCCATGTCCTATCCGATGCCCTGAAGGGTGTACGGATAACCTGGT
 AGACACTGTGGTACACTATGTGCCGCTTCCAGGCTGTCCTGATGGAGCCCGAGAGCGAATCCGAGAC
 ATCGATAACCTTCAGCAGAGGGCAGCGCAAAGGGTCCGGGGCAGCGCCGCCAGCCCGGAGTCCACCC
 CGCGCCCGGGCCAGCCCGCGGCAGCTTGCAGCGTGCAGGGTCTCAGCGGCCCTCTGCCCCGGCT
 GGACGACAAAACCGAGGCGTCAGCGCTCCCGCTTCTGGCTATGCCAGAGAGAAGCCTGCGCGCAGA
 GTCAGCGACAGCTTCTCCGGCCAGCGTCATGGAGCCCATCTGGGCCGCGCAGTACAGCCAGCTGC
 GCAAGAAGAGC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR208288 representing NM_001113471
 Red=Cloning site Green=Tags(s)

MSMNGKPTLLDGLPEQENVLQRVLQLPVVSGTCECFQKTYNSTKEAHLPLVASVCNAYEKGVQASNLAA
 WMEPVVRRRLSTQFTAANELACRGLDHLEEKIPALQYPPEKIASSELKGTISTRRLSARNSISVPIASTSD
 KVLGATLAGCELALGMAKETAEYAAANTRVGRLASGGADLALGSIEKVVEFLLPPDKESAPSSGRQRTQKA
 PKAKPSLVRRVSTLANLTLRHTMQTTAWALKQGHSLAMWIPGVAPLSSLAQWGASAAMQVVSRRQSEVRV
 PWLHNLAAQDESHDDQTDTEGEETDDEEEEESEAEENVLREVTALPNRGLLGGVVHTVQNTLRNTIS
 AVTWAPAAVLGTVGRILHLTPAQAVSSTKGRAMSLSDALKGVTDNVVDVTVVHYVPLPRLSLMEPESEFRD
 IDNPSAEAEKRGSGARPASPESTPRPGQPRGSLRSVRGLSAPSCPGLDDKTEASARPGFLAMPREKPAR
 VDSFFRPSVMEPILGRAQYSQLRKKS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

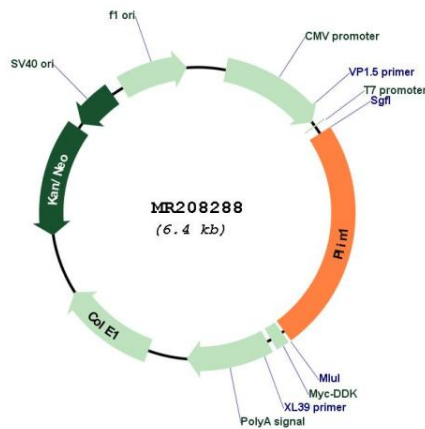
Restriction Sites:

Sgfl-MluI

RefSeq: [NM_001113471.1, NP_001106942.1](#)
 RefSeq Size: 1879 bp
 RefSeq ORF: 1554 bp
 Locus ID: 103968
 UniProt ID: [Q8CGN5](#)
 Cytogenetics: 7 D2
 MW: 56 kDa

Gene Summary: Modulator of adipocyte lipid metabolism. Coats lipid storage droplets to protect them from breakdown by hormone-sensitive lipase (HSL). Its absence may result in leanness (By similarity). Plays a role in unilocular lipid droplet formation by activating CIDEC. Their interaction promotes lipid droplet enlargement and directional net neutral lipid transfer. May modulate lipolysis and triglyceride levels.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR208288