

Product datasheet for **RC238377**

PLAGL1 (NM_001289043) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLAGL1 (NM_001289043) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PLAGL1
Synonyms:	LOT1; ZAC; ZAC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC238377 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACGTTCCCTGCCAGTTATGTGGCAAGACGTTCTCACCTGGAGAAGTTCACGATTCACAATT
 ATTCCCACTCCAGGGAGCGCCGTACAAGTGTGTGCAGCCTGACTGTGGCAAAGCCTTTGTTCCAGATA
 TAAATTGATGAGGCATATGGCTACCCATTCTCCCCAGAAATCTCACAGTGTGCTCACTGTGAGAAGACG
 TTCAACCGGAAAGACCACCTGAAAAACCACTCCAGACCCACGACCCCAACAAAATGGCCTTTGGGTGTG
 AGGAGTGTGGGAAGAAGTACAACACCATGCTGGGCTATAAGAGGCACCTGGCCCTCCATGCGGCCAGCAG
 TGGGGACCTCACCTGTGGGTCTGTGCCCTGGAGCTAGGGAGCACCGAGGTGCTACTGGACCACCTCAA
 GCCCATGCGGAAGAGAAGCCCCTAGCGGAACCAAGGAAAAGAAGCACCAGTGCAGCCACTGTGAAAGAT
 GCTTCTACACCCGAAGGATGTGCGACGCCACCTGGTGGTCCACACAGGATGCAAGGACTTCTGTGCCA
 GTTCTGTGCCAGAGATTTGGGCGCAAGGATCACCTACCCGGCATAACCAAGAAGACCCACTCACAGGAG
 CTGATGAAAGAGAGCTTGACAGCCGAGACCTTCTGAGCACCTTCCACACCATCTCGCCTCATTCCAAC
 TGAAGGCTGTGCCTTGCCCTCTTCCCTTTAGGAGCTTCTGCCAGAACGGGCTTGCAAGTAGCTTGCC
 AGCTGAGGTCCATAGCCTCACCTCAGTCCCCAGAACAAGCCGCCAGCCTATGCAGCCGCTGCCAGAG
 TCCCTGGCCTCCCTCCACCCCTCGGTATCCCCTGGCTCTCCTCCGCCACCCCTTCCCAATCACAAGTACA
 ACACCCTTCTACCTCATACTCCCCTGCAAGCCTGCCCTCAAAGCAGATACTAAAGGTTTTTGCAA
 TATCAGTTTGTGAGGACTTGCCTCTGCAAGAGCCTCAGTCACTCAAAGCTCAACCCAGGTTTTGAT
 CTGGCTAAGGAAATGCTGGTAAAGTAACTGCCAAGGAGCTGCCTGCAGATGCTGTGAACCTAACAA
 TACCTGCCTCTCTGGACCTGTCCCCCTGTTGGGCTTCTGGCAGCTGCCCTCTGCTACCCAAAATAC
 CTTTGGGAATAGCACTTTGCCCTGGGGCTGGGGAATCTTGGCCACAGGTTAAGCTGTCTGGGGCAG
 CAGCAGCAAGAACCCCACTTGCATGGCACTGTGAGCCTGGGCCAGCTCCCCCTGCCCCCATCCCTC
 ATGTGTTCTCAGCTGGCACTGGCTCTGCCATCCTGCCTCATTTCCATCATGCATTGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238377 protein sequence
 Red=Cloning site Green=Tags(s)

MATFPCQLCGKFTLTLEKFTIHNYSRERPYKCVQDCGKAFVSRYLKMRHMATHSPQKSHQCAHCEKT
 FNRKDHLLKNHLQTHDPNKMAFGCEECGKKYNTMLGYKRHLALHAASSGDLTCGVCALELGSTEVLLDHLK
 AHAEKPPSGTKEKKHQCDHCERCIFYTRKDVRRLVHTGCKDFLCQFCAQRFGRKDHLTRHTKTHSQE
 LMKESLQTDLLSTFHTISPSFQLKAAALPPFPLGASAQNGLASSLPAEVHSLTLPPEQAAQPMQPLPE
 SLASLHPSVSPGSPPPPLPNHKYNTTSTYSPLASLPLKADTKGFCNISLFDLPLQEPQSPQKLNPGFD
 LAKGNAGVNLPKELPADAVNLTIPASLDLSPLLGFWQLPPPATQNTFGNSTLALGPGESLPHRLSCLGQ
 QQEQPPLAMGTVSLGQLPLPPIPHVFSAGTGSAILPHFHAFR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8061_f10.zip

Restriction Sites:

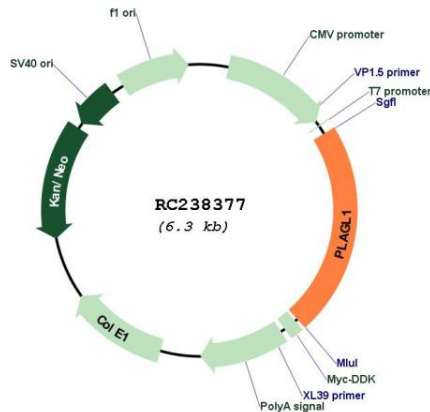
Sgfl-Mlul

Protein Families: Transcription Factors

MW: 50.8 kDa

Gene Summary: This gene encodes a C2H2 zinc finger protein that functions as a suppressor of cell growth. This gene is often deleted or methylated and silenced in cancer cells. In addition, overexpression of this gene during fetal development is thought to be the causal factor for transient neonatal diabetes mellitus (TNDM). Alternative splicing and the use of alternative promoters results in multiple transcript variants encoding two different protein isoforms. The P1 downstream promoter of this gene is imprinted, with preferential expression from the paternal allele in many tissues. [provided by RefSeq, Nov 2015]

Product images:



Circular map for RC238377