

Product datasheet for **RC216984**

PLAGL1 (NM_001080954) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLAGL1 (NM_001080954) 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:

>RC216984 representing NM_001080954
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACGTTCCCTGCCAGTTATGTGGCAAGACGTTCTCACCTGGAGAAGTTCACGATTCACAATT
 ATTCCCCTCCAGGGAGCGCCGTACAAGTGTGTGCAGCCTGACTGTGGCAAAGCCTTTGTTCCAGATA
 TAAATTGATGAGGCATATGGCTACCCATTCTCCCCAGAAATCTCACAGTGTGCTCACTGTGAGAAGACG
 TTCAACCGGAAAGACCACCTGAAAAACCACCTCCAGACCCACGACCCCAACAAAATGGCCTTTGGGTGTG
 AGGAGTGTGGGAAGAAGTACAACACCATGCTGGGCTATAAGAGGCACCTGGCCCTCCATGCGGCCAGCAG
 TGGGGACCTCACCTGTGGGTCTGTGCCCTGGAGCTAGGGAGCACCGAGGTGCTACTGGACCACCTCAA
 GCCCATGCGGAAGAGAAGCCCCCTAGCGGAACCAAGAAAAGAAGCACCAGTGCAGCCACTGTGAAAGAT
 GCTTCTACACCCGAAGGATGTGCGACGCCACCTGGTGGTCCACACAGGATGCAAGGACTTCTGTGCCA
 GTTCTGTGCCAGAGATTTGGGCGCAAGGATCACCTACCCGGCATAACCAAGAAGACCCACTCACAGGAG
 CTGATGAAAGAGAGCTTGACAGCCGGAGACCTTCTGAGCACCTTCCACACCATCTCGCCTCATTCCAAC
 TGAAGGCTGTGCCTTGCCCTCTTCCCTTTAGGAGCTTCTGCCAGAACGGGCTTGCAAGTAGCTTGCC
 AGCTGAGGTCCATAGCCTCACCCCTCAGTCCCCAGAACAAGCCGCCAGCCTATGCAGCCGCTGCCAGAG
 TCCCTGGCCTCCCTCCACCCCTCGGATACCCCTGGCTCTCCTCCGCCACCCCTTCCCAATCACAAGTACA
 ACACCCTTCTACCTCATACTCCCCTGCAAGCCTGCCCTCAAAGCAGATACTAAAGGTTTTTGCAA
 TATCAGTTTGTGAGGACTTGCCTCTGCAAGAGCCTCAGTCACTCAAAGCTCAACCCAGGTTTTGAT
 CTGGCTAAGGAAATGCTGGTAAAGTAACTGCCCAAGGAGCTGCCTGCAGATGCTGTGAACCTAACAA
 CTTTGGGAATAGCACTTTGCCCTGGGGCTGGGGAATCTTGGCCACAGGTTAAGCTGTCTGGGGCAG
 CAGCAGCAAGAACCCCACTTGCATGGCACTGTGAGCCTGGGCCAGCTCCCCCTGCCCCCATCCCTC
 ATGTGTTCTCAGCTGGCACTGGCTCTGCCATCCTGCCTCATTTCCATCATGCATTGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC216984 representing NM_001080954
 Red=Cloning site Green=Tags(s)

MATFPCQLCGKFTLTLEKFTIHNYSHSRERPYKCVQDCGKAFVSRYLKMRHMATHSPQKSHQCAHCEKT
 FNRKDHLLKNHLQTHDPNKMAFGCEECGKKYNTMLGYKRHLALHAASSGDLTCGVCALELGSTEVLLDHLK
 AHAEKPPSGTKEKKHQCDHCERCIFYTRKDVRRLVHTGCKDFLCQFCAQRFGRKDHLTRHTKTHSQE
 LMKESLQTDLLSTFHTISPSFQLKAAALPPFPLGASQNGLASSLPAEVHSLTLPPEQAAQPMQPLPE
 SLASLHPSVSPGSPPPPLPNHKYNTTSTYSPLASLPLKADTKGFCNISLFEDLPLQEPQSPQKLNPGFD
 LAKGNAGVNLPKELPADAVNLTIPASLDLSPLLGFWQLPPPATQNTFGNSTLALGPGESLPHRLSCLGQ
 QQEQPPLAMGTVSLGQLPLPPIPHVFSAGTGSAILPHFHAFR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

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

Restriction Sites:

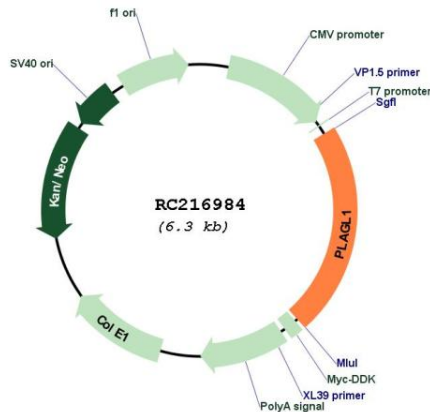
Sgfl-Mlul

Protein Families: Transcription Factors

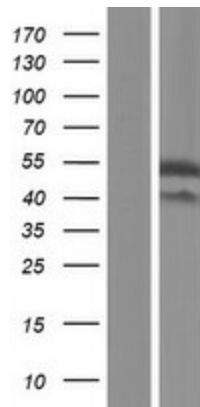
MW: 50.6 kDa

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 RC216984



Western blot validation of overexpression lysate (Cat# [LY421138]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC216984 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).