

Product datasheet for **RC238054**

PLAGL1 (NM_001289038) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLAGL1 (NM_001289038) 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)
ORF Nucleotide Sequence:	>RC238054 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTACCCATTCTCCCCAGAAATCTCACCAGTGTGCTCACTGTGAGAAGACGTTCAACCGGAAAGACC
ACCTGAAAAACCACCTCCAGACCCACGACCCCAACAAAATGGCCTTTGGGTGTGAGGAGTGTGGGAAGAA
GTACAACACCATGCTGGGCTATAAGAGGCACCTGGCCCTCCATGCGGCCAGCAGTGGGGACCTCACCTGT
GGGTCTGTGCCCTGGAGCTAGGGAGCACCGAGGTGCTACTGGACCACCTCAAAGCCCATGCGGAAGAGA
AGCCCCCTAGCGGAACCAAGGAAAAGAAGCACCAGTGCAGCCACTGTGAAAGATGCTTCTACACCCGGAA
GGATGTGCGACGCCACCTGGTGGTCCACACAGGATGCAAGGACTTCTGTGCCAGTCTGTGCCAGAGA
TTTGGGCGCAAGGATCACCTCACCCGGCATAACGAAGACCCACTCACAGGAGCTGATGAAAGAGAGCT
TGACAGACCCGAGACCTTCTGAGCACCTTCCACACCATCTCGCCTTCAATCCAACCTGAAGGCTGTGCCTT
GCCTCCTTTCCCTTAGGAGCTTCTGCCAGAACGGGCTTGAAGTAGCTTGCCAGCTGAGGTCCATAGC
CTCACCTCAGTCCCCAGAACAAGCCGCCAGCCTATGCAGCCGCTGCCAGAGTCCCTGGCCTCCCTCC
ACCCCTCGGTATCCCCTGGCTCTCTCCGCCACCCTTCCAATCACAAGTACAACACCACTTCTACCTC
ATACTCCCACCTGCAAGCCTGCCCTCAAAGCAGATACTAAAGTTTTTGCAATATCAGTTTGTGGTGG
GACTTGCTCTGCAAGAGCCTCAGTCACCTCAAAGCTCAACCCAGGTTTTGATCTGGCTAAGGGAAATG
CTGGTAAAGTAAACCTGCCCAAGGAGCTGCCTGCAGATGCTGTGAACCTAACAATACCTGCCTCTGGA
CCTGTCCCCCTGTTGGGCTTCTGGCAGCTGCCCCCTCCTGTACCCAAAATACCTTTGGGAATAGCACT
CTTGCCCTGGGGCTGGGAATCTTTGCCCCACAGGTTAAGCTGTCTGGGGCAGCAGCAGCAAGAACCC
CACTTGCCATGGGCACTGTGAGCCTGGGCCAGCTCCCCCTGCCCCCATCCCTCATGTGTTCTCAGCTGG
CACTGGCTCTGCCATCCTGCCTCATTTCCATCATGCATTGAGA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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_001289038.1](#), [NP_001275967.1](#)

RefSeq Size: 2657 bp

RefSeq ORF: 1236 bp

Locus ID: 5325

UniProt ID: [Q9UM63](#)

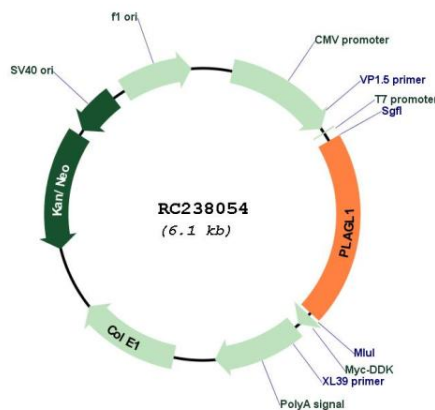
Cytogenetics: 6q24.2

Protein Families: Transcription Factors

MW: 44.7 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 RC238054