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Product datasheet for SC336270

PLAGL1 (NM_001289042) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLAGL1 (NM_001289042) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLAGL1
Synonyms:	LOT1; ZAC; ZAC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

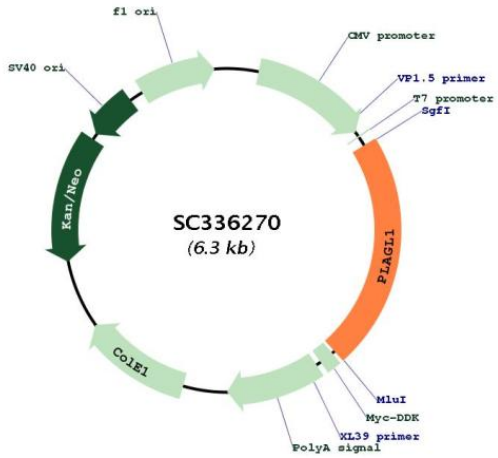
Fully Sequenced ORF:

>SC336270 representing NM_001289042.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCACGTTCCCCTGCCAGTTATGTGGCAAGACGTTCCTCACCCTGGAGAAGTTCACGATTCACAAT
TATTCCCACTCCAGGGAGCGGCCGTACAAGTGTGTGCAGCCTGACTGTGGCAAAGCCTTTGTTTCCAGA
TATAAATTGATGAGGCATATGGCTACCCATTCTCCCCAGAAATCTCACCAGTGTGCTCACTGTGAGAAG
ACGTTCAACCGGAAAGACCACCTGAAAAACCACCTCCAGACCCACGACCCCAACAAAATGGCCTTTGGG
TGTGAGGAGTGTGGGAAGAAGTACAACACCATGCTGGGCTATAAGAGGCACCTGGCCCTCCATGCGGCC
AGCAGTGGGGACCTCACCTGTGGGGTCTGTGCCCTGGAGCTAGGGAGCACCGAGGTGCTACTGGACCAC
CTCAAAGCCCATGCGGAAGAGAAGCCCCCTAGCGGAACCAAGGAAAAGAAGCACCAGTGCGACCACTGT
GAAAGATGCTTCTACACCCGGAAGGATGTGCGACGCCACCTGGTGGTCCACACAGGATGCAAGGACTTC
CTGTGCCAGTTCTGTGCCCAGAGATTTGGGCGCAAGGATCACCTCACCCGGCATACCAAGAAGACCCAC
TCACAGGAGCTGATGAAAGAGAGCTTGCAGACCGGAGACCTTCTGAGCACCTTCCACACCATCTCGCCT
TCATTCCAACTGAAGGCTGCTGCCTTGCCTCCTTTCCCTTTAGGAGCTTCTGCCCAGAACGGGCTTGCA
AGTAGCTTGCCAGCTGAGGTCCATAGCCTCACCCTCAGTCCCCCAGAACAAGCCGCCCAGCCTATGCAG
CCGCTGCCAGAGTCCCTGGCCTCCCTCCACCCCTCGGTATCCCCTGGCTCTCCTCCGCCACCCCTTCCC
AATCACAAGTACAACACCACTTCTACCTCATACTCCCCACTTGCAAGCCTGCCCCTCAAAGCAGATACT
AAAGGTTTTTGCAATATCAGTTTGTTTGAGGACTTGCCTCTGCAAGAGCCTCAGTCACCTCAAAAGCTC
AACCCAGGTTTTGATCTGGCTAAGGGAAATGCTGGTAAAGTAAACCTGCCCAAGGAGCTGCCTGCAGAT
GCTGTGAACCTAACAATACCTGCCTCTCTGGACCTGTCCCCCCTGTTGGGCTTCTGGCAGCTGCCCCCT
CCTGCTACCCAAAATACCTTTGGGAATAGCACTCTTGCCCTGGGGCCTGGGGAATCTTTGCCCCACAGG
TTAAGCTGTCTGGGGCAGCAGCAGCAAGAACCCCCACTTGCCATGGGCACTGTGAGCCTGGGCCAGCTC
CCCCTGCCCCCCATCCCTCATGTGTTCTCAGCTGGCACTGGCTCTGCCATCCTGCCTCATTTCCATCAT
GCATTCAGATAA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001289042

Insert Size: 1392 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	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_001289042.1
RefSeq Size:	3091 bp
RefSeq ORF:	1392 bp
Locus ID:	5325
UniProt ID:	Q9UM63
Cytogenetics:	6q24.2
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]
Transcript Variant: This variant (10, also known as P2A) initiates from the P2 promoter and differs in the 5' UTR compared to variant 2. Variants 2, 3, 4, 5, 6, 10, 12, 15, 16, 17, 18, 19, 20, 22, 23, 25, 27, and 28 all encode the same isoform (2).