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Product datasheet for SC315955

PLAGL1 (NM_001080952) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: PLAGL1 (NM_001080952) Human Untagged Clone

Tag: Tag Free

Symbol: PLAGL1

Synonyms: LOT1; ZAC; ZAC1

Vector: pCMV6 series

Fully Sequenced ORF:

>NCBI ORF sequence for NM_001080952, the custom clone sequence may differ by one or more nucleotides
ATGGCCACGTTCCCCTGCCAGTTATGTGGCAAGACGTTCCTCACCCTGGAGAAGTTCACG
ATTCACAATTATTCCCACTCCAGGGAGCGGCCGTACAAGTGTGTGCAGCCTGACTGTGGC
AAAGCCTTTGTTTCCAGATATAAATTGATGAGGCATATGGCTACCCATTCTCCCCAGAAA
TCTCACCAGTGTGCTCACTGTGAGAAGACGTTCAACCGGAAAGACCACCTGAAAAACCAC
CTCCAGACCCACGACCCCAACAAAATGGCCTTTGGGTGTGAGGAGTGTGGGAAGAAGTAC
AACACCATGCTGGGCTATAAGAGGCACCTGGCCCTCCATGCGGCCAGCAGTGGGGACCTC
ACCTGTGGGGTCTGTGCCCTGGAGCTAGGGAGCACCGAGGTGCTACTGGACCACCTCAAA
GCCCATGCGGAAGAGAAGCCCCCTAGCGGAACCAAGGAAAAGAAGCACCAGTGCGACCAC
TGTGAAAGATGCTTCTACACCCGGAAGGATGTGCGACGCCACCTGGTGGTCCACACAGGA
TGCAAGGACTTCCTGTGCCAGTTCTGTGCCCAGAGATTTGGGCGCAAGGATCACCTCACC
CGGCATACCAAGAAGACCCACTCACAGGAGCTGATGAAAGAGAGCTTGCAGACCGGAGAC
CTTCTGAGCACCTTCCACACCATCTCGCCTTCATTCCAACTGAAGGCTGCTGCCTTGCCT
CCTTTCCCTTTAGGAGCTTCTGCCCAGAACGGGCTTGCAAGTAGCTTGCCAGCTGAGGTC
CATAGCCTCACCCTCAGTCCCCCAGAACAAGCCGCCCAGCCTATGCAGCCGCTGCCAGAG
TCCCTGGCCTCCCTCCACCCCTCGGTATCCCCTGGCTCTCCTCCGCCACCCCTTCCCAAT
CACAAGTACAACACCACTTCTACCTCATACTCCCCACTTGCAAGCCTGCCCCTCAAAGCA
GATACTAAAGGTTTTTGCAATATCAGTTTGTTTGAGGACTTGCCTCTGCAAGAGCCTCAG
TCACCTCAAAAGCTCAACCCAGGTTTTGATCTGGCTAAGGGAAATGCTGGTAAAGTAAAC
CTGCCCAAGGAGCTGCCTGCAGATGCTGTGAACCTAACAATACCTGCCTCTCTGGACCTG
TCCCCCCTGTTGGGCTTCTGGCAGCTGCCCCCTCCTGCTACCCAAAATACCTTTGGGAAT
AGCACTCTTGCCCTGGGGCCTGGGGAATCTTTGCCCCACAGGTTAAGCTGTCTGGGGCAG
CAGCAGCAAGAACCCCCACTTGCCATGGGCACTGTGAGCCTGGGCCAGCTCCCCCTGCCC
CCCATCCCTCATGTGTTCTCAGCTGGCACTGGCTCTGCCATCCTGCCTCATTTCCATCAT
GCATTCAGA

Restriction Sites: Please inquire

ACCN: NM_001080952

View online »

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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_001080952.1, NP_001074421.1
RefSeq Size:	3425 bp
RefSeq ORF:	1392 bp
Locus ID:	5325
UniProt ID:	Q9UM63
Cytogenetics:	6q24.2
Protein Families:	Transcription Factors
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 (4, also known as P1G) initiates from the P1 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).