

Product datasheet for **SC115928**

PLAGL1 (NM_006718) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLAGL1 (NM_006718) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLAGL1
Synonyms:	LOT1; ZAC; ZAC1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006718, the custom clone sequence may differ by one or more nucleotides

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ATGGCCACGTTCCCTGCCAGTTATGTGGCAAGACGTTCCCTCACCTGGAGAAGTTCACGATTCACAATT
ATTCCTCCAGGGAGCGCGGTACAAGTGTGTGCAGCCTGACTGTGGCAAAGCCTTTGTTCCAGATA
TAAATTGATGAGGCATATGGCTACCCATTCTCCCCAGAAATCTCACCAAGTGTGCTCACTGTGAGAAGACG
TTCAACCGGAAAGACCACCTGAAAAACCACCTCCAGACCCACGACCCCAACAAAATGGCCTTTGGGTGTG
AGGAGTGTGGGAAGAAGTACAACACCATGCTGGGCTATAAGAGGCACCTGGCCCTCCATGCGGCCAGCAG
TGGGGACCTCACCTGTGGGTCTGTGCCCTGGAGCTAGGGAGCACCGAGGTGCTACTGGACCACCTCAA
GCCCATGCGGAAGAGAAGCCCCCTAGCGGAACCAAGAAAAGAAGCACCAGTGCAGCCACTGTGAAAGAT
GCTTCTACACCCGGAAGGATGTGCGACGCCACCTGGTGGTCCACACAGGATGCAAGGACTTCTGTGCCA
GTTCTGTGCCAGAGATTTGGGCGCAAGGATCACCTCACCCGGCATAACCAAGAAGACCCACTCACAGGAG
CTGATGAAAGAGAGCTTGACAGACCGGAGACCTTCTGAGCACCTTCCACACCATCTCGCCTTCATTCCAAC
TGAAGGCTGCTGCCTTGCTCCTTTCCCTTTAGGAGCTTCTGCCAGAACGGGCTTGCAAGTAGCTTGCC
AGCTGAGGTCCATAGCCTCACCTCAGTCCCCCAGAACAAGCCGCCCAGCCTATGCAGCCGCTGCCAGAG
TCCCTGGCCTCCCTCCACCCCTCGGTATCCCCTGGCTCTCCTCCGCCACCCCTTCCCAATACAAGTACA
ACACCCTTCTACCTCATACTCCCCTGCAAGCCTGCCCTCAAAGCAGATACTAAAGTTTTTGGAA
TATCAGTTTGTGGAGACTTGCTCTGCAAGAGCCTCAGTCACTCAAAGCTCAACCCAGTTTTGAT
CTGGCTAAGGAAATGCTGGTAAAGTAAACCTGCCCAAGGAGCTGCCTGCAGATGCTGTGAACCTAACAA
TACCTGCCTCTCTGGACCTGTCCCCCTGTTGGGCTTCTGGCAGCTGCCCTCTGCTACCCAAAATAC
CTTTGGGAATAGCACTCTTGCCCTGGGGCTGGGAATCTTTGCCCCACAGGTTAAGCTGTCTGGGGCAG
CAGCAGCAAGAACCCCACTTGCCATGGGCACTGTGAGCCTGGGCCAGCTCCCCCTGCCCCCATCCCTC
ATGTGTTCTCAGCTGGCACTGGCTGCCATCCTGCCTCATTTCATCATGCATTCAGATAA

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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006718 unedited ATTCGGCAGGAGGACAGATTACCTTTCTGCTCCTGAATCGCACCTGTGCCTCAGACTTTCT CCCCTCAGCTTGAGACTGCATGTAACTGGGATGTGTGAAAGCAGGAAGCAAAGCTAGTG ACAGCTGAGAGGTCCATGTCTGGGTAGAACCAGGCCACGATGCTGCCTCTCCCCTGGTC TGGAGTTCAGCTGCAGGGACTCTGCTGATGTGCCAGCACCATCGTTCTGTTTGCTTA AATGGCACAGCATTGGTGCAGCATCTGAAAAGGAAGGTGTGAGAAGCAAAGCCCATGG CCACGTTCCCCTGCCAGTTATGTGGCAAGACGTTCCCTCACCCCTGGAGAAGTTCACGATTC ACAATTATCCCACTCCAGGGAGCGCCGTACAAGTGTGTGCAGCCTGACTGTGGCAAAG CCTTTGTTCCAGATATAAATTGATGAGGCATATGGCTACCCATTCTCCCAGAAATCTC ACCAGTGTGCTCACTGTGAGAAGACGTTCAACCGGAAAGACCACCTGAAAAACCACCTCC AGACCCACGACCCCAACAAAATGGCCTTTGGGTGTGAGGAGTGTGGGAAGAAGTACAACA CCATGCTGGGCTATAAGAAGCACCTGGCCCTCCATGCGGNCAGCAGTGGGGACCTCACCT GTGGGGTCTGTGCCCTGGAGCTAGGGAGCACCGAAGTGTACTGGACCACCTCAAGCCAT GCGGAAGAGAGCCCCCTAGCGGAACCAAGAAAGAAGCACCGTGCACCCTGT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006718 unedited CGCGGCCCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTCTGTCAGATGTAACAGACA ACCAGTTTAGTCTTTCTTAAAGATAAATGAAGTGATAACTCACATTGCAGCATCTGTGG AAAATATTCAAACACATTTAAATGCTTCTGTAATGGAGAAGTCTATTGCTCCACAA GAAAATGTATATGTAACACTACAGGTTGGCTATGGTAATAGTAACTAACTACATCCAAC CCTGAAGTAGAAAAATCCCTGAAAAGAAATACACAGCCTTACCATAGTATATCATATAA AGGCCATCTTCTATTTTGAATAATCTCCAGATTTGGAGAAATCCAAACCTTTCCATAG TTCCCTTACTACGCACTGCCAATCCAAGTATTACTACCCATTTTGATCAGCGTTATT CATCATCCCCCTCAGCCTTATACCTCATACCTCTCTCCCACCTCCCCCGCAGTTCC TCTATTTCTTTCCCCCCCCCCCCCACTTTTCCCCCTCCCCTTTTTTTTCCACACCTTA ACTATCTTTCCATCCCCTTTTTTCCCCCATACTCCCAGTTTCCAATCCCCTTCCCCCTC TCCCCCTTTTACCCCCATAATTCTTCCCCTCTCCGCCCTCTACTTCCATCCCGCCCCC CCCTTTTTTTTTCCCCATTCCATCCCGCTCATTCTTCTCCTCCCCTATTCTTCTCCCT CTCCCCCCCCAACCCCCCCTTATCCCACCCTTTTTTATAATCTCCATCATTCTCCT ACATATCTCCTCCTTCCCACCTCCATTCAACCCTCTCCTTTTTCCCCCCCCCTTTTTCCC CCTACTCGTCCCCTCTTTTCTCTCCATTCCGTTACCTTCTCCCTTCAATTTCCCCCCCC ACTTTTTTCCCCTTCCCTTTTTTCTCCATCATTCCCGTGCATCCCTTACCTATTCTCTC CGTCCACCCCTCACACCATTTCCCCTTTTCCACTCCCTTC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_006718
Insert Size:	2000 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:	<ol style="list-style-type: none">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_006718.2 , NP_006709.2
RefSeq Size:	3411 bp
RefSeq ORF:	3411 bp
Locus ID:	5325
UniProt ID:	Q9UM63
Cytogenetics:	6q24.2
Domains:	zf-C2H2
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) initiates from the P1 promoter and encodes the longer isoform (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).</p>