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Product datasheet for SC313822

PLAGL1 (BD135162) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PLAGL1 (BD135162) Human Untagged Clone
Tag:	Tag Free
Symbol:	PLAGL1
Synonyms:	LOT1; ZAC; ZAC1
Vector:	pCMV6 series
Fully Sequenced ORF:	>NCBI ORF sequence for BD135162, the custom clone sequence may differ by one or more nucleotides
Restriction Sites:	Please inquire
ACCN:	BD135162
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:	BD135162.1
RefSeq Size:	2738 bp

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RefSeq ORF:	2738 bp
Locus ID:	5325
Cytogenetics:	6q24.2
Domains:	zf-C2H2
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]