

Recombinant Human PLAGL1

Cat. No. PLAGL1-31027TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human PLAGL1/ZAC, isoform 2 with N-terminal proprietary tag. Predicted MW 36.63kDa.
Species	Human
Source	Wheat Germ
ProteinLength	100 amino acids
Description	This gene encodes a C2H2 zinc finger protein with transactivation and DNA-binding activities. It has been shown to have anti-proliferative properties, and thus thought to function as a tumor suppressor. In addition, overexpression of this gene during fetal development is believed to underlie the rare disorder, transient neonatal diabetes mellitus (TNDM). This gene is imprinted, with preferential expression of the paternal allele in many tissues, however, biallelic expression has been noted in peripheral blood leucocytes. A recent study reports that tissue-specific imprinting results from variable utilization of monoallelic and biallelic promoters. Many transcript variants differing in the 5' UTR and encoding two different isoforms, have been found for this gene.
Molecular Weight	36.630kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	QPMQPLPESLASLHPSVSPGSPPPPLPNHKYNTTSTSYSPLASLPLKADTKGFCNIS LFEDLPLQEPQSPQKLNPGFDLAKGNAGKVNLPKELPADAVNL
Sequence Similarities	Belongs to the krueppel C2H2-type zinc-finger protein family.Contains 7 C2H2-type zinc fingers.

GENE INFORMATION

Gene Name	PLAGL1 pleiomorphic adenoma gene-like 1 [Homo sapiens]
Official Symbol	PLAGL1
Synonyms	PLAGL1; pleiomorphic adenoma gene-like 1; zinc finger protein PLAGL1; LOT1; ZAC;
Gene ID	5325
mRNA Refseq	NM_001080951
Protein Refseq	NP_001074420
MIM	603044
Uniprot ID	Q9UM63
Chromosome Location	6q24-q25

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Pathway	Androgen Receptor Signaling Pathway, organism-specific biosystem;
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Function	DNA binding; metal ion binding; nucleic acid binding; zinc ion binding;
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