Recombinant Human PLAG1

Cat. No. PLAG1-31026TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 2-99 of Human PLAG1 with a N terminal proprietary tag; predicted MWt 36.41 kDa inclusive of tag; Q6DJT9,
Species	Human
Source	Wheat Germ
ProteinLength	98 amino acids
Description	Pleomorphic adenoma gene 1 encodes a zinc finger protein with 2 putative nuclear localization signals. PLAG1, which is developmentally regulated, has been shown to be consistently rearranged in pleomorphic adenomas of the salivary glands. PLAG1 is activated by the reciprocal chromosomal translocations involving 8q12 in a subset of salivary gland pleomorphic adenomas. Three transcript variants encoding two different isoforms have been found for this gene.
Molecular Weight	36.410kDa inclusive of tags
Tissue specificity	Expressed in fetal tissues such as lung, liver and kidney. Not detected or weak detection in normal adult tissues, but highly expressed in salivary gland with benign or malignant pleiomorphic adenomas with or without 8q12 abberations, with preferential oc
Form	Liquid

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

GENE INFORMATION

Gene Name	PLAG1 pleiomorphic adenoma gene 1 [Homo sapiens]
Official Symbol	PLAG1
Synonyms	PLAG1; pleiomorphic adenoma gene 1; zinc finger protein PLAG1; ZNF912;
Gene ID	5324
mRNA Refseq	NM_001114634
Protein Refseq	NP_001108106
MIM	603026
Uniprot ID	Q6DJT9

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Chromosome Location	8q12
Function	DNA binding; metal ion binding; sequence-specific DNA binding transcription factor activity; zinc ion binding;

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