

Datasheet for ABIN7555008
PLAG1 Protein (AA 1-500) (His tag)



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Overview

Quantity:	1 mg
Target:	PLAG1
Protein Characteristics:	AA 1-500
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PLAG1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat PLAG1 Protein expressed in mammalian cells.
Sequence:	<p>MATVIPGDLSEVRDTQKVPSGKRKRGETKPKKNFPCQLCDKAFNSVEKLVHSYSHTGER PYKCIQQDCTKAFVSKYKLQRHMATHSPEKTHKCNCEKMFHRKDHLKLNHLTHDPNKET FKCEECGKNYNKTLGFKRHLALHAATSGDLTCKVCLQTFESTGVLLLEHLKSHAGKSSGGV KEKKHQCEHCRRFYTRKDVRRHMMVHTGRKDFLCQYCAQRFGRKDHLTRHMKKSHNQEL LKVKTEPVDFLDPFTCNVSVPIKDELLPVM SLPSELLSKPFTNTLQLNL YNTPFQSMQS SGSAHQMITTLPLGMTCPIDMDTVHPSHLSFKYKPFSSSTYSAISPEKEQPLKGEIESYL MELQGGVPSSSQDSQASSSSKLGLDPQIGSLDDGAGDLSL SKSSISISDP LNTPALDFSQ LNFNPLNGP PYNPLSVGSLGMSYSQEEAHSSVSQLPPQTQLQDPANTI GLGSLHLSLA AFTSSLSTSTTLPRFHQAFQ Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

PLAG1

Alternative Name:

PLAG1 ([PLAG1 Products](#))

Background:

Zinc finger protein PLAG1 (Pleiomorphic adenoma gene 1 protein),FUNCTION: Transcription factor whose activation results in up-regulation of target genes, such as IGFII, leading to uncontrolled cell proliferation: when overexpressed in cultured cells, higher proliferation rate and transformation are observed. Other target genes such as CRLF1, CRABP2, CRIP2, PIGF are strongly induced in cells with PLAG1 induction. Proto-oncogene whose ectopic expression can trigger the development of pleomorphic adenomas of the salivary gland and lipoblastomas. Overexpression is associated with up-regulation of IGFII, is frequently observed in hepatoblastoma, common primary liver tumor in childhood. Cooperates with CBFβ-MYH11, a fusion gene important for myeloid leukemia. {ECO:0000269|PubMed:11888928, ECO:0000269|PubMed:14695992, ECO:0000269|PubMed:14712223}.

Molecular Weight:

55.9 kDa

UniProt:

[Q6DJT9](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
