

Human KIAA0101 / p15 / PAF Protein (His Tag)

Catalog Number: 10997-H07E



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

KIAA0101; L5; NS5ATP9; OEATC; OEATC-1; OEATC1; p15(PAF); p15/PAF; p15PAF; PAF; PAF15

Protein Construction:

A DNA sequence encoding the human PAF isoform 1 (NP_055551.1) (Met 1-Glu 111) was expressed, with a polyhistidine tag at the N-terminus.

Source: Human

Expression Host: E. coli

QC Testing

Purity: > 97 % as determined by SDS-PAGE

Endotoxin:

Please contact us for more information.

Stability:

Samples are stable for up to twelve months from date of receipt at -70 °C

Predicted N terminal: Met

Molecular Mass:

The recombinant human PAF consisting of 126 amino acids and has a calculated molecular mass of 13.8 KDa. It migrates as an approximately 19 kDa band in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.5

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Storage:

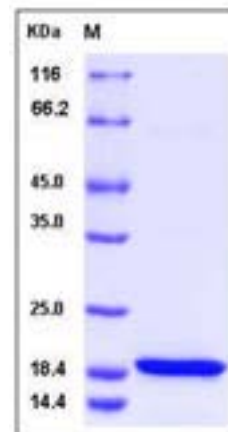
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



Protein Description

KIAA0101, also known as p15(PAF), is a proliferating cell nuclear antigen-associated factor which interacts with proliferating cell nuclear antigen(PCNA). It was initially isolated in a yeast two-hybrid screen for PCNA binding partners, and was shown to bind PCNA competitively with the cell cycle regulator p21(WAF). KIAA0101 is localized primarily in the nucleus. It shares the conserved PCNA binding motif with several other PCNA binding proteins including CDK inhibitor p21. KIAA0101 is involved in cell proliferation and plays a role in early tumor recurrence (ETR), and prognosis of hepatocellular carcinoma (HCC). KIAA0101 is expressed predominantly in liver, pancreas and placenta. It cannot be detected in heart or brain. It is highly expressed in a number of tumors, especially esophageal tumors, in anaplastic thyroid carcinomas and in non-small-cell lung cancer lines. Overexpression of KIAA0101 predicts high stage, early tumor recurrence, and poor prognosis of hepatocellular carcinoma. It also may be involved in protection of cells from UV-induced cell death.

References

- 1.Yu P, *et al.* (2001) p15(PAF), a novel PCNA associated factor with increased expression in tumor tissues. *Oncogene*. 20 (4): 484-9.
- 2.Simpson F, *et al.* (2005) The PCNA-associated factor KIAA0101/p15(PAF) binds the potential tumor suppressor product p33ING1b. *Exp Cell Res*. 312 (1): 73-85.
- 3.Guo M, *et al.* (2006) KIAA0101 (OEACT-1), an expressionally down-regulated and growth-inhibitory gene in human hepatocellular carcinoma. *BMC Cancer*. 6: 109.

Manufactured By Sino Biological Inc., FOR RESEARCH USE ONLY. NOT FOR USE IN HUMANS.

For US Customer: Fax: 267-657-0217 ● Tel: 215-583-7898

Global Customer: Fax :+86-10-5862-8288 ● Tel:+86-400-890-9989 ● <http://www.sinobiological.com>