

AR51128PU-N**Human PAF (1-111, His-tag) - Purified****Alternate names:**

HCV NS5A-transactivated protein 9, Hepatitis C virus NS5A-transactivated protein 9, KIAA0101, NS5ATP9, OEATC-1, Overexpressed in anaplastic thyroid carcinoma 1, PAF, PCNA-associated factor, p15PAF

Quantity:

0.25 mg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

KIAA0101 is a PCNA-binding protein that acts as a regulator of DNA repair during DNA replication. Following DNA damage, the interaction with PCNA is disrupted, facilitating the interaction between monoubiquitinated PCNA and the translesion DNA synthesis DNA polymerase eta (POLH) at stalled replisomes, facilitating the bypass of replication-fork-blocking lesions. This protein also acts as a regulator of centrosome number.

Uniprot ID:

[Q15004](#)

NCBI:

[NP_055551](#)

GeneID:

[9768](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT

Description:

Recombinant human KIAA0101 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SGLVPRGSH MGSVMRTKAD SVPGTYRKVV AARAPRKVLG SSTSATNSTS
VSSRKAENKY AGGNPVCVRP TPKWQKGIGE FFRLSPKDSE KENQIPEEAG SSSLGKAKRK
ACPLQPDHTN DEKE

Molecular weight: 14.4 kDa (134aa) confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Kais Z., et al (2011). Mol. Cancer Res. 9:1091-1099 Povlsen L.K., et al (2012). Nat. Cell Biol. 14:1089-1098

Pictures:

