

Recombinant Human PCLAF Protein

Catalog No.: RP03162

Sequence Information

Species **Gene ID**
Human 9768

Swiss Prot **Tags**
Q15004 N-His

Synonyms

PCLAF, KIAA0101, NS5ATP9, PAF

Product Information

Source **Purification**
E. coli ≥ 95 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
13.8 KDa. 19 KDa

Endotoxin

Please contact us for more
information.

Formulation

Lyophilized from a 0.22 µm filtered
solution of PBS, pH 7.4. Contact us
for customized product form or
formulation.

Reconstitution

Centrifuge the vial before opening.
Reconstitute to a concentration of
0.1–0.5 mg/mL in sterile distilled
water. Avoid vortex or vigorously
pipetting the protein. For long
term storage, it is recommended
to add a carrier protein or stabilizer
(e.g. 0.1% BSA, 5% HSA, 10% FBS
or 5% Trehalose), and aliquot the
reconstituted protein solution to
minimize free-thaw cycles.

Background

KIAA11, also known as p15(PAF), is a proliferating cell nuclear antigen-associated factor that 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). KIAA11 is localized primarily in the nucleus. It shares the conserved PCNA binding motif with several other PCNA binding proteins including CDK inhibitor p21. KIAA11 is involved in cell proliferation and plays a role in early tumor recurrence (ETR), and prognosis of hepatocellular carcinoma (HCC). KIAA11 is expressed predominantly in the liver, pancreas, and placenta. It cannot be detected in the heart or brain. It is highly expressed in some tumors, especially esophageal tumors, in anaplastic thyroid carcinomas, and non-small-cell lung cancer lines. Overexpression of KIAA11 predicts high stage, early tumor recurrence, and poor prognosis of hepatocellular carcinoma. It also may be involved in the protection of cells from UV-induced cell death.

Basic Information

Description

Recombinant Human PCLAF Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1–Glu111) of Human PCLAF (Accession #NP_055551.1) fused with a polyhistidine tag at the N-terminus.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at –20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

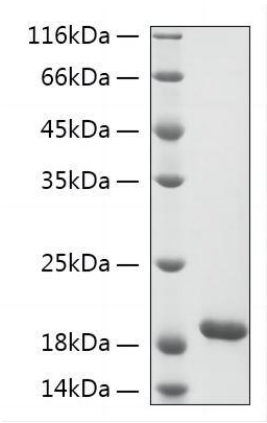
Contact

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Validation Data



Recombinant Human PCLAF Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.