

Recombinant Human PCLAF Protein

Catalog No.: RP03162 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	9768	Q15004

Tags

N-His

Synonyms

PCLAF; KIAA0101; NS5ATP9; PAF

Product Information

Source	Purification
<i>E. coli</i>	> 97% 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.

Contact

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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.

Bio-Activity

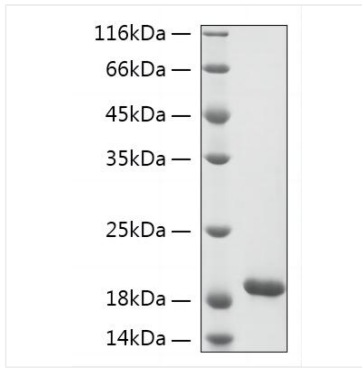
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



Recombinant Human PCLAF Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 19 kDa.