Recombinant Human KIAA0101/p15/PAF Protein (His Tag)

Catalog No. PKSH031315

Note: Centrifuge before opening to ensure complete recovery of vial contents.

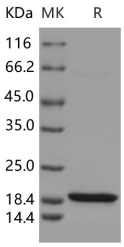
Description

Synonyms	KIAA0101;L5;NS5ATP9;OEATC;OEATC-1;OEATC1;p15(PAF);p15/PAF;p15PAF;PAF;PAF15
Species	Human
Expression Host	E.coli
Sequence	Met 1-Glu 111
Accession	NP_055551.1
Calculated Molecular Weight	13.8 kDa
Observed molecular weight	19 kDa
Tag	N-His
Bioactivity	Not validated for activity

Properties

Purity	> 97 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.5 Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 97 % as determined by reducing SDS-PAGE.

Background

KIAA0101, also known as p15(PAF), is a proliferating cell nuclear antigen-associated factor which interacts with

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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.

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