
Product Data Sheet

Product Name: KIAA0101 Human
 Cat. No.: GP23738
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	KIAA0101; L5; NS5ATP9; OEATC; OEATC-1; OEATC1; p15(PAF); p15/PAF; p15PAF; PAF; PAF15; PCNA-associated factor; Hepatitis C virus NS5A-transactivated protein 9; HCV NS5A-transactivated protein 9; Overexpressed in anaplastic thyroid carcinoma 1; PCNA-associated factor of 15 kDa.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMVRTKAD SVPGTYRKVV AARAPRKVLG SSTSATNSTS VSSRKAENKY AGGNPVCVRP TPKWQKGIGE FFRLSPKDSE KENQIPEEAG SSGLGKAKRK ACPLQPDHTN DEKE.		
Formulation	The KIAA0101 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

KIAA0101 is a PCNA-binding protein which performs as a regulator of DNA repair all through DNA replication. Subsequent to DNA mutilation, the collaboration with PCNA is interrupted, enabling the interaction between monoubiquitinated PCNA and the translesion DNA synthesis DNA polymerase eta (POLH) at stalled replisomes, assisting the bypass of replication-fork-blocking lesions. Additionally, KIAA0101 performs as a controller of centrosome number.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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KIAA0101 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 134 amino acids (1-111) and having a molecular mass of 14.4 kDa. KIAA0101 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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