

# Recombinant human SF3B14B/PHF5A protein

Catalog Number: ATGP2167

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-110aa

**UniProt No.**

Q7RTV0

**NCBI Accession No.**

NP\_116147

**Alternative Names**

PHD finger-like domain-containing protein 5A, PHD finger protein 5A, bK223H9.2, INI, Rds3, SAP14b, SF3b14b, Splicing factor 3b, subunit 7, SF3B7, Splicing factor 3B-associated 14 kDa protein

## PRODUCT SPECIFICATION

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**Molecular Weight**

14.8 kDa (133aa) confirmed by MALDI-TOF

**Concentration**

0.25mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 7.5) containing 0.15M NaCl, 10% glycerol, 1mM DTT

**Purity**

&gt; 85% by SDS-PAGE

**Tag**

His-Tag

**Application**

SDS-PAGE

**Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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**Description**

PHF5A is a subunit of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the u2 small nuclear ribonucleoproteins complex (u2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence-independent manner and may anchor the u2 snRNP to the pre-mRNA. PHF5A contains a PHD-finger-like domain that is flanked by highly basic N- and C-termini. This protein belongs to the PHD-finger superfamily and may act as a chromatin-

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associated protein. Recombinant human PHF5A protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

### Amino acid Sequence

MGSSHHHHHHH SSGLVPRGSH MGSMAKHHPD LIFCRKQAGV AIGRLCEKCD GKCVICDSYV RPCTLVRLICD ECNYGSYQGR  
CVICGGPGVS DAYYCKECTI QEKDRDGC PK IVNLGSSKTD LFYERKKYGF KKR

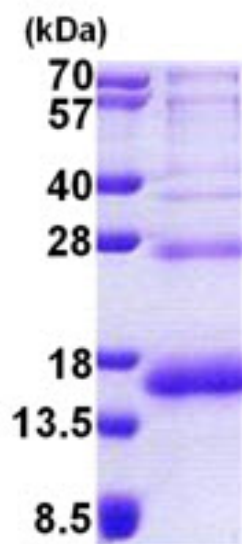
### General References

Wagner SA, et al. (2011) Mol Cell Proteomics, PMID 21890473.

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)