Recombinant human SF3B14B/PHF5A protein

Catalog Number: ATGP2167

PRODUCT INFORMATION

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

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
> 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

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

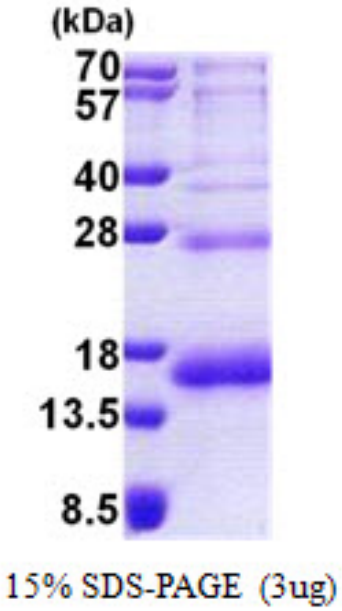
MGSSHHHHHH SSGLVPRGSH MGSMAKHHPD LIFCRKQAGV AIGRLCEKCD GKCVICDSYV RPCTLVRICD ECNYGSYQGR CVICGGPGVS DAYYCKECTI QEKDRDGCPK IVNLGSSKTD LFYERKKYGF KKR

General References

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

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

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