

Recombinant human SSU72 protein

Catalog Number: ATGP1401

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-194aa

UniProt No.

Q9NP77

NCBI Accession No.

NP_054907

Alternative Names

SSu72 RNA polymerase II CTD phosphatase homolog, HSPC182, PNAS-120, RNA polymerase II subunit A C-terminal domain phosphatase SSU72, CTD phosphatase SSU72

PRODUCT SPECIFICATION

Molecular Weight

25 kDa (217aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Purity

> 95% 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

SSu72 RNA polymerase II CTD phosphatase homolog, also known as SSu72, is a highly conserved homologue of yeast Ssu72, a CTD phosphatase and a component of the polyadenylation/ termination machinery. Existing as multiple alternatively spliced isoforms, SSu72 interacts with TFIIB, Rb and DNAM-1 and functions to catalyze the dephosphorylation of target proteins, possibly playing a role in RNA processing and termination via dephosphorylation of Pol II. Recombinant human SSu72 protein, fused to His-tag at N-terminus, was expressed in

Recombinant human SSU72 protein

Catalog Number: ATGP1401

E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

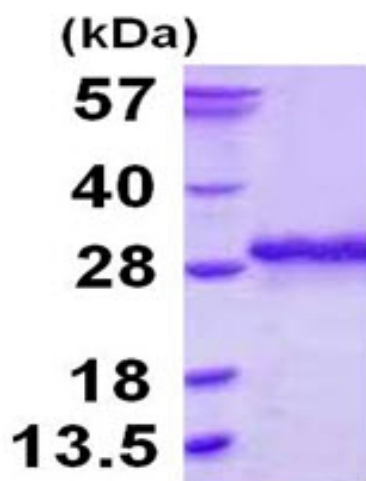
MGSSHHHHHHH SGLVPRGSH MGSMPSSPLR VAVVCSSNQN RSMEAHNILS KRGFSVRSFG TGTHVKLPGP APDKPNVYDF
KTTYDQMYND LLRKDKELYT QNGILHMLDR NKRIKPRPER FQNCKDLFDL ILTCEERVYD QVVEDLNSRE QETCQPVHV
NVDIQDNHEE ATLGAF LICE LCQCIQHTED MENEIDELLQ EFEEKSGRTF LHTVCFY

General References

Dichtl B., et al. (2002) Mol Cell. 10:1139-1150.
Krishnamurthy S., et al. (2004) Mol Cell. 14:387-394.

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)