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

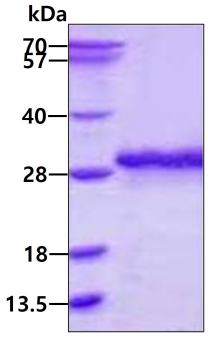
<MGSSHHHHHH SSGLVPRGSH MGS>MPSSPLR VAVVCSSNQN RSMEAHNILS KRGFSVRSFG TGTHVKLPGP APDKPNVYDF KTTYDQMYND LLRKDKELYT QNGILHMLDR NKRIKPRPER FQNCKDLFDL ILTCEERVYD QVVEDLNSRE QETCQPVHVV NVDIQDNHEE ATLGAFLICE LCQCIQHTED MENEIDELLQ EFEEKSGRTF LHTVCFY

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.