

Recombinant Human SSU72 RNA Polymerase II CTD Phosphatase Homolog (*S. cerevisiae*), His-tagged

Cat. No. SSU72-1401H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinanthuman SSU72protein, fused to His-tag at N-terminus, was expressed in <i>E. coli</i> and purified by using conventional chromatography techniques.
Species	Human
Source	<i>E.coli</i>
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl.
Molecular Weight	25 kDa (217aa), confirmed by MALDI-TOF.
Purity	> 95% by SDS-PAGE
Concentration	1 mg/ml (determined by Bradford assay)
Sequences of amino acids	MGSSHHHHHSSGLVPRGSH MGSMPSPLR VAVCSSNQNSR SMEAHNLS KRGFSVRSFG TGTHVKLP GPAPDKPNVYDF KTTYDQMYND LLRKDKELYT

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QNGILHMLDR NKRIKPRPERFQNCDFDL ILTCEERVYD QVVEDLNSRE
QETCQPVHV NVDIQDNHEE ATLGAFLICE LCQCIQHTEDMENEIDELLQ
EFEEKSGRTF LHTVCFY

Storage

Can bestored at +4°C short term (1-2 weeks). For long term storage, aliquot andstore at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

nullValue_other

Function

hydrolaseactivity; phosphoproteinphosphatase activity

GENE INFORMATION

Gene Name

SSU72SSU72 RNA polymerase II CTD phosphatase homolog (S. cerevisiae) [Homosapiens]

Official Symbol

SSU72

Synonyms

SSU72; SSU72 RNA polymerase II CTD phosphatase homolog(S. cerevisiae); HSPC182; FLJ13048; PNAS-120; RNA polymerase II subunit A C-terminal domainphosphatase SSU72; CTD phosphatase SSU72; OTTHUMP00000000597; EC3.1.3.16; Ssu72 RNA polymerase IICTD phosphatase homolog (yeast); OTTHUMP00000000598; OTTHUMP00000000599;OTTHUMP00000039178

Gene ID

29101

mRNA Refseq

NM_014188

Protein Refseq

NP_054907

UniProt ID

Q9NP77

Chromosome

1p36.3

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