

SSU72, 1-194aa, Human, His tag, E.coli

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3th Edition

Synonyms:SSU72 RNA polymerase II CTD phosphatase homolog, HSPC182, PNAS-120

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 E.coli and purified by using conventional chromatography techniques.

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

Sequences:

MGSSHHHHHSSGLVPRGSHMGSMPSPLRVAVVCSSNQNRSM EAHNILSKRGFSVRSFGTGTHVKLPGPAPDK
PNVYDFKTTYDQMYNDLLRKDKELYTQNGILHMLDRNKRIKPRPERFQNKDLFDLILTCEERVYDQVVEDLNSRE
QETCQPVHVVNVDIQDNHEEATLGAF LICELCQCIQHTEDMENEIDELLQEFEEKSGRTFLHTVCFY

Purity:> 95% by HPLC

Concentration:1 mg/ml (determined by Bradford assay)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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