

本公司提供的电子版说明书仅供参考，实验请以收到的纸质手册为准。

CPSF4, 1-244aa, Human, His tag, E.coli

产品货号: TP01701

第三版

**别名:**cleavage and polyadenylation specific factor 4,30kDa, CPSF30, NAR, NEB1

**描述:**Inhibition of the nuclear export of poly(A)-containing mRNAs caused by the influenza A virus NS1 protein requires its effector domain. The NS1 effector domain functionally interacts with the cellular 30 kDa subunit of CPSF4 an essential component of the 3' end processing machinery of cellular pre-mRNAs. In influenza virus-infected cells, the NS1 protein is physically associated with cleavage and polyadenylation specific factor 4, 30kD subunit. Binding of the NS1 protein to the 30 kDa protein in vitro prevents CPSF binding to the RNA substrate and inhibits 3' end cleavage and polyadenylation of host pre-mRNAs. Recombinant human CPSF4 protein, fused to His-tag at N-terminus, was expressed in E.coli.

**配方:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

**分子量:**29.9 kDa (267aa)

**序列:**

MGSSHHHHHSSGLVPRGSHMGSMQEIIASVDHIKFDLEIAVEQQLGAQPLPFPMDKSGAAVCEFFLKAACGKGGMC  
PFRHISGEKTVVCKHWLRLGLCKKGDQCEFLHEYDMTKMPECYFYSKFGECSNKECPFLHIDPESKIKDCPWYDRGFCKH  
GPLCRHRHTRRVICVNYLVGFCPEGPSCKFMHPRFELPMGTTEQPPLPQQTQPPAKQRTPQVIGVMQSQNSSAGNRGPR  
PLEQVTCYKCGEKGHYANRCKGHLAFLSGQ

**纯度:**> 95% by HPLC

**浓度:**1 mg/ml (determined by Bradford assay)

**内毒素:**<1.0 EU per 1 ug of protein (determined by LAL method)

**存储:**+4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.