
Product Data Sheet

Product Name: CPSF4 Human
 Cat. No.: GP23213
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CPSF30; NAR; NEB1; Neb-1; CPSF 30 kDa subunit; NS1 effector domain-binding protein 1.		
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMQEIIAS VDHIKFDLEI AVEQQLGAQP LPFPGMDKSG AAVCEFFLKA ACGKGGMCPF RHISGEKTVV CKHWLRGLCK KGDQCEFLHE YDMTKMPECY FYSKFGEC SN KEC PFLHIDP ESKIKDCPWY DRGFCKHG PL CRHRHTRRVI CVNYLVGFCP EGPSCKFMHP RFELPMGTTE QPPLPQQTQP PAKQRT PQVI GVMQSQNSSA GNRGPRPLEQ VTCYKCGEKG HYANRCTKGH LAFLSGQ.		
Formulation	CPSF4 protein solution (1mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.4M UREA and 10% glycerol.		

Introduction

Cleavage And Polyadenylation Specific Factor 4 (CPSF4) is a member of the CPSF4/YTH1 family. CPSF4 complex plays a vital role in pre-mRNA 3'-end formation, distinguishing the AAUAAA signal sequence and interacting with poly(A) polymerase and further factors to bring about cleavage and poly(A) additive. CPSF4 binds RNA polymers with a preference for poly(U).

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CPSF4 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 267 amino acids (1-244 a.a.) and having a molecular mass of

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Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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29.9kDa.CPSF4 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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