
Product Data Sheet

Product Name: CSTF1 Human
 Cat. No.: GP23268
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cleavage stimulation factor subunit 1; CF-1 50 kDa subunit; Cleavage stimulation factor 50 kDa subunit; CSTF 50 kDa subunit; CstF-50; CSTF1; CstFp50.		
Amino Acid Sequence	MYRTKVGLKD RQQLYKLIIS QLLYDGYISI ANGLINEIKP QSVCAPSEQL LHLIKLGMEN DDTAVQYAIG RSDTVAPGTG IDLEFDADVQ TMSPEASEYE TCYVTSHKGP CRVATYSRDG QLIATGSADA SIKILDTERM LAKSAMPIEV MMNETAQQNM ENHPVIRTLY DHVDEVTCLA FHPTEQILAS GSRDYTLKLF DYSKPSAKRA FKYIQEAEML RSISFHPSGD FILVGTQHPT LRLYDINTFQ CFVSCNPQDQ HTDAICSVNY NSSANMYVTG SKDGCIKLWD GVSNRCITTF EKAHDGAEVC SAIFSKNSKY ILSSGKDSVA KLWEISTGRT LVRYTGAGLS GRQVHRTQAV FNHTEDYVLL PDERTISLCC WDSRTAERRN LLSLGHNNIV RCIVHSPTNP GFMTCSDDFR ARFWYRRSTT DVEHHHHHHH.		
Formulation	CSTF1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 2M urea.		

Introduction

Cleavage stimulation factor subunit 1 (CSTF1) is involved in the polyadenylation and 3'end cleavage of pre-mRNAs. The CSTF1 gene encodes one of three subunits which merge to produce cleavage stimulation factor (CSTF). Like the mammalian G protein beta subunits, CSTF1 contains transducin-like repeats. CSTF1 is one of the numerous factors necessary for polyadenylation and 3'-end cleavage of mammalian pre-mRNAs. CSTF1 is responsible for the interaction of CSTF with other factors to create a stable complex on the pre-mRNA.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer

Caution: Product has not been fully validated for medical applications. For research use only.

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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

CSTF1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 439 amino acids (1-431 a.a) and having a molecular mass of 49.4kDa. CSTF1 is fused to an 8 amino acid His-tag at C-terminus & purified by proprietary chromatographic techniques.

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