
Product Data Sheet

Product Name: CSTF1 Human, sf9

Cat. No.: GP23269

Batch No.: 1

Product Data

Purity >98% Source Sf9, Baculovirus cells.

Physical Appearance solid Shipping Condition Shipped with Ice Packs.

Synonyms Cleavage Stimulation Factor Subunit 1; Cleavage Stimulation Factor; 3 Pre-RNA; Subunit 1; 50kD; Cleavage Stimulation Factor 50 KDa Subunit; CF-1 50 KDa Subunit; CSTF 50 KDa Subunit; CstF-50; Cleavage Stimulation Factor; 3 Pre-RNA; Subunit 1; 50kDa; Cleavage Stimulation Factor; 3 Pre-RNA; Subunit 1; 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 DHHHHHH.

Formulation CSTF1 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4), 1mM DTT and 20% glycerol.

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.

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

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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

CSTF1 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 437 amino acids (1-431a.a.) and having a molecular mass of 49.1kDa (Molecular size on SDS-PAGE will appear at approximately 40-57kDa). CSTF1 is expressed with a 6 amino acids His tag at C-Terminus and purified by proprietary chromatographic techniques.

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