

Recombinant human CSTF1 protein

Catalog Number: ATGP3573

PRODUCT INFORMATION

Expression system

Baculovirus

Domain

1-431aa

UniProt No.

Q05048

NCBI Accession No.

NP_001028693

Alternative Names

Cleavage stimulation factor subunit 1, CSTF1, CstF-50, CstFp50

PRODUCT SPECIFICATION

Molecular Weight

49.1 kDa (437aa)

Concentration

0.5mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 1mM DTT, 20% glycerol

Purity

> 90% by SDS-PAGE

Endotoxin level

< 1 EU per 1ug of protein (determined by LAL method)

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

CSTF1, also known as cleavage stimulation factor subunit 1, is one of the multiple factors required for polyadenylation of mammalian pre-mRNAs in vitro. It is functioning with cleavage-polyadenylation specificity factor, two cleavage factors, and poly (A) + polymerase. It is involved in the 3' end processing of messenger RNA precursors. Recombinant human CSTF1, fused to His-tag at C-terminus, was expressed in insect cell and purified

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by using conventional chromatography techniques.

Amino acid Sequence

MYRTKVGLKD RQQLYKLIIS QLLYDGYISI ANGLINEIKP QSVCAPESQL LHLIKLGMEN DDTAVQYAIG RSDTVAPGTG
IDLEFDADVQ TMSPEASEYE TCVTSHKGP CRVATYSRDG QLIATGSADA SIKILDTERM LAKSAMPPIEV 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 DHHHHHHH

General References

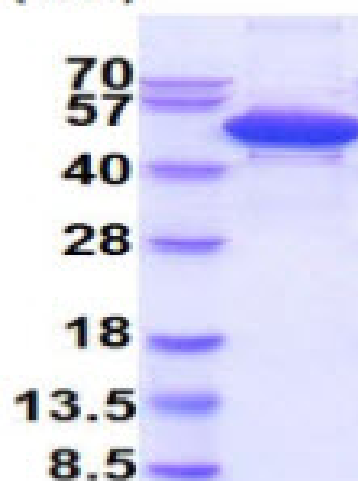
Takagaki Y., et al. (1994) Nature. 372:471-474.

Ruegsegger U., et al. (1996) J Biol Chem. 271:6107-6113.

DATA

SDS-PAGE

(kDa)



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)