

## CSTF1 Human

**Description:** 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.

**Catalog #:** PRPS-1177

For research use only.

**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.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile filtered colorless solution.

**Amino Acid Sequence:** MYRTKVGLKD RQQLYKLIIS QLLYDGYISI ANGLINEIKP  
QSVCAPEQL LHLIKLGMEN DDTAVQYAIG RSDTVAPGTG IDLEFDADVQ TMSPEASEYE  
TCYVTSKHGP CRVATYSRDG QLIATGSADA SIKILDTERM LAKSAMPPIEV MMNETAQQNM  
ENHPVIRTLY DHVDEVTCLE FHPTEQILAS GSRDYTLKLF DYSKPSAKRA FKYIQEAEML  
RSISFHPSGD FI

**Purity:** Greater than 90% as determined by SDS-PAGE.

**Formulation:**

CSTF1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 20% glycerol, 0.1M NaCl and 2M urea.

**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.

**Usage:**

NeoBiolabs products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**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.

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