



## Recombinant Activating Transcription Factor 4 (ATF4)

Catalog No.: TP01261

50µg

### Sequence Information

**Species:** Human

**Gene ID:**468

**Swiss Prot:**P18848

**Synonyms:**TAXREB67; TXREB; CREB-2;

DNA-binding protein TAXREB67;

Cyclic AMP-responsive element-binding protein 2; Tax-responsive enhancer element-binding protein 67

**Residues:**Thr130~Lys347

TNKQPPQTVNPIGHLPESLTKPDQVAPFTFLQPLPLSPGVLSSTPDHSFSLELG  
SEVDITEGDRKPDYTAYVAMIPQCIKEEDTPSDNDSGICMSPESYLGSPQHSPS  
TRGSPNRSPLSPGVLCGSARPKPYDPPGEEKMVAACKVGEKLDKKLKKMEQNKTA  
ATRYRQKKRAEQEALTGECKELEKKNEALKERADSLAKEIQYLKDLIEEVRKAR  
GK

### Product Information

**Source:** Prokaryotic expression.

**Host:** *E. coli*

**Tags:**N-terminal His Tag

**Subcellular Location:** Nucleus.

**Purity:** >97%

**Traits:** Freeze-dried powder

**Buffer formulation:**PBS, pH7.4, containing 0.1% SKL, 5% Trehalose.

**Original Concentration:** 50µg/mL

**Applications:** Positive Control; Immunogen; SDS-PAGE; WB.

(May be suitable for use in other assays to be determined by the end user.)

**Predicted isoelectric point:** 8.5

**Predicted Molecular Mass:** 27.7kDa

**Accurate Molecular Mass:** 35kDa as determined by SDS-PAGE reducing conditions.

### **[ USAGE ]**

Reconstitute in ddH<sub>2</sub>O to a concentration of 0.1-0.5 mg/mL. Do not vortex.

### **[ STORAGE AND STABILITY ]**

**Storage:** Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

## [ IDENTIFICATION ]

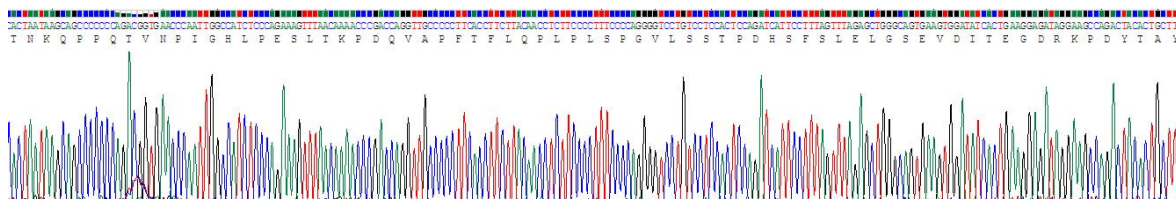


Figure 1. Gene Sequencing (Extract)

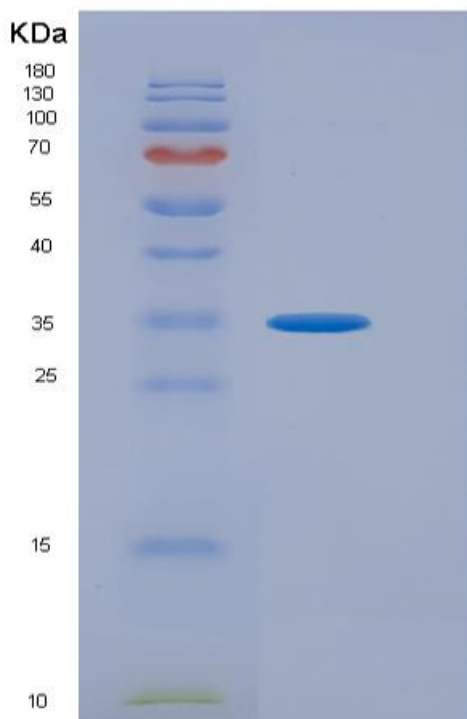


Figure 2. SDS-PAGE

## [ IMPORTANT NOTE ]



The kit is designed for in vitro and research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.