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# **Recombinant human TCEB1 protein**

Catalog Number: ATGP1363

## PRODUCT INFORMATION

# **Expression system**

E.coli

#### **Domain**

1-112aa

#### UniProt No.

015369

### **NCBI Accession No.**

NP 005639

#### **Alternative Names**

Transcription elongation factor B polypeptide 1, SIII, Elongin-C

# PRODUCT SPECIFICATION

## **Molecular Weight**

14.6 kDa (132aa) confirmed by MALDI-TOF

#### Concentration

0.5mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.15M NaCl.

#### **Purity**

> 90% by SDS-PAGE

## 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**

TCEB1 (elongin C) is a subunit of elongin, which is a general transcription elongation factor that increases the RNA polymerase II transcription elongation past template encoded arresting sites. The SIII complex is composed of elongins A/A2, B and C. It activates elongation by RNA polymerase II by suppressing transient pausing of the polymerase at many sites within transcription units. Elongin A functions as the transcriptionally active component of the SIII complex, whereas elongins B and C are regulatory subunits. Elongin A2 is specifically expressed in the testis, and capable of forming a stable complex with elongins B and C. The von Hippel-Lindau



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(VHL) tumor suppressor protein binds to elongins B and C, and thereby inhibits transcription elongation. Recombinant human TCEB1 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

# **Amino acid Sequence**

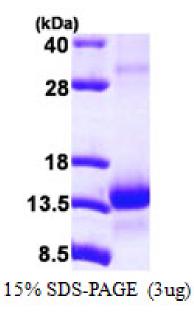
MGSSHHHHHH SSGLVPRGSH MDGEEKTYGG CEGPDAMYVK LISSDGHEFI VKREHALTSG TIKAMLSGPG QFAENETNEV NFREIPSHVL SKVCMYFTYK VRYTNSSTEI PEFPIAPEIA LELLMAANFL DC

## **General References**

Duan DR., et al. (1995) Science. 269(5229):1402-6. Aso T., et al. (1995) Science. 269(5229):1439-43.

# **DATA**

## **SDS-PAGE**



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

