

# Recombinant human Elongin B protein

Catalog Number: ELB0901

## PRODUCT INFORMATION

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**Expression system**

E.coli

**Domain**

1-118aa

**UniProt No.**

Q15370

**NCBI Accession No.**

NP\_009039

**Alternative Names**

Elongin B, Transcription elongation factor B polypeptide 2, TCEB2, RNA polymerase II transcription factor SIII subunit B, SIII p18, EloB, Elongin 18 kDa subunit, EloB, TCEB 2, Transcription elongation factor B (SIII) polypeptide 2.

## PRODUCT SPECIFICATION

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**Molecular Weight**

13.1 kDa (118aa) confirmed by MALDI-TOF

**Concentration**

1mg/ml (determined by Bradford assay)

**Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 0.1mM PMSF, 20% glycerol

**Purity**

&gt; 95% by SDS-PAGE

**Tag**

Non-Tagged

**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

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**Description**

Elongin B, also known as TCEB2, is a subunit of the transcription factor B (SIII) complex. The SIII complex is a heterotrimer consisting of a transcriptionally active subunit (A) and two regulatory subunits (B and C). It activates elongation by RNA polymerase II by suppressing transient pausing of the polymerase at many sites within transcription units. The von Hippel-Lindau tumor suppressor protein (pVHL) binds to elongins B and C, and

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thereby inhibits transcription elongation. Recombinant TCEB2 was expressed as insoluble protein aggregate in *E. coli* and purified by conventional chromatography, after refolding of the isolated inclusion bodies in a renaturation buffer.

### Amino acid Sequence

MDVFLMIRRH KTTIFTDAKE SSTVFELKRI VEGILKRPPD EQRLYKDDQL LDDGKTLGEC GFTSQARPQ APATVGLAFR  
ADDTFEALCI EPFSSPPELP DVMKPQDSGS SANEQAVQ

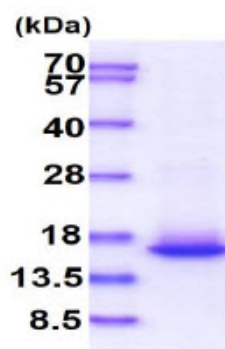
### General References

Piessevaux J., et al. (2008) *J Biol Chem.* 283(31):21334-46.

Duan DR., et al. (1995) *Science.* 269(5229):1402-6

## DATA

### SDS-PAGE



15% SDS-PAGE (3ug)

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