

Recombinant human Elongin B protein

Catalog Number: ELB0901

PRODUCT INFORMATION

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

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

> 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

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

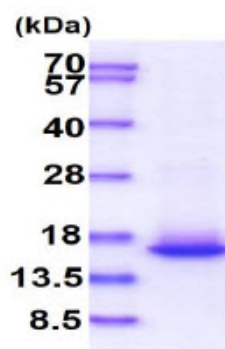
General References

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.