Recombinant mouse Elongin B protein

Catalog Number: ATGP3814

PRODUCT INFORMATION

Expression system
E.coli

Domain
1-118aa

UniProt No.
P62869

NCBI Accession No.
NP_080581

Alternative Names
Elongin-B, EloB, Elongin 18 kDa subunit, RNA polymerase II transcription factor SIII subunit B, SIII p18, Transcription elongation factor B polypeptide 2, Tceb2

PRODUCT SPECIFICATION

Molecular Weight
15.6 kDa (141aa) confirmed by MALDI-TOF

Concentration
1mg/ml (determined by Bradford assay)

Formulation
Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 1mM DTT, 10% glycerol

Purity
> 95% 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
Elob, also known as elongin B, is a subunit of the transcription factor B (SIII) complex. The SIII complex is a heterotrimeric 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 thereby inhibits transcription elongation. Recombinant mouse Elob, fused to His-tag at N-terminus, was

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expressed in E. coli and purified by conventional chromatography techniques.

Amino acid Sequence

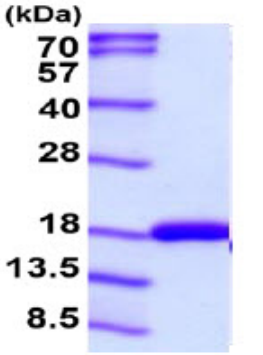
MGSSHHHHHH SSGLVPRGSH MGSMDVFLMI RRHKTTIFTD AKESSTVFEL KRIVEGILKR PPEEQRLYKD DQLLDDGKTL GECGFTSQTA RPQAPATVGL AFRADDTFEA LRIEPFSSPP ELPDVMKPQD SGGSANEQAV Q

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.