
Product Data Sheet

Product Name: ELOB Mouse
 Cat. No.: GP23394
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Transcription elongation factor B polypeptide 2; TCEB2; RNA polymerase II transcription factor SIII subunit B; SIII p18; EloB; Elongin 18 kDa subunit.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMDVFLMI RRHKTIFTD AKESSTVFEL KRIVEGILKR PPEEQRLYKD DQLLDDGKTL GECGFTSQTA RPQAPATVGL AFRADDTFEA LRIEPFSSPP ELPDVMKPQD SGGANEQAV Q		
Formulation	The protein (1mg/ml) contains PBS pH-7.4 containing 1mM DTT and 10% Glycerol.		

Introduction

Elongin B (Elob) is a subunit of the transcription factor B (SIII) complex. SIII complex is a general transcription elongation factor that increases the RNA polymerase II transcription elongation past template-encoded arresting sites. The SIII complex comprised of a transcriptionally active subunit (A) and 2 regulatory subunits (B and C). Subunit A is transcriptionally active and its transcription activity is enhanced by binding to the dimeric complex of the SIII regulatory subunits B and C. The von Hippel-Lindau tumor suppressor protein binds to elongin B and C and inhibits transcription elongation.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ELOB Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain of 141 amino acids (1-118 a.a.) having a molecular mass of 15.6 kDa. The

Caution: Product has not been fully validated for medical applications. For research use only.

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Recombinant Mouse ELOB is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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