

Recombinant Human ELOB protein, His & T7-tagged

Cat. No. ELOB-1096H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ELOB aa. (Met1~Gln118 (Accession # Q15370) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Gln118
Description	This gene encodes the protein elongin B, which is a subunit of the transcription factor B (SIII) complex. 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 tumor suppressor protein binds to elongins B and C, and thereby inhibits transcription elongation. Two alternatively spliced transcript variants encoding different isoforms have been described for this gene. Pseudogenes have been identified on chromosomes 11 and 13.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16.8kDa.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 4.7.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	ELOB elongin B [Homo sapiens (human)]
Official Symbol	ELOB
Synonyms	ELOB; elongin B; SIII; TCEB2; elongin-B; RNA polymerase II transcription factor SIII p18 subunit; RNA polymerase II transcription factor SIII subunit B; SIII p18; elongin

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

18 kDa subunit; elongin, 18-kD subunit; transcription elongation factor B (SIII), polypeptide 2 (18kDa, elongin B); transcription elongation factor B polypeptide 2; transcription elongation factor B subunit 2

Gene ID [6923](#)

mRNA Refseq [NM_007108.3](#)

Protein Refseq [NP_009039.1](#)

UniProt ID [Q15370](#)

SDS-PAGE

