

# Recombinant Human Transcription Elongation Factor B (SIII), Polypeptide 1 (15kDa, elongin C), His-tagged

Cat. No. TCEB1-4832H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human TCEB1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	TCEB1 (elongin C) is a subunit of elongin, which is a general transcription elongation factor that increases the RNA polymerase II transcription elongation past template encoded arresting sites. 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(VHL) tumor suppressor protein binds to elongins B and C, and thereby inhibits transcription elongation.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.15M NaCl.
<b>Molecular Weight</b>	14.6 kDa (132aa), confirmed by MALDI-TOF.
<b>Purity</b>	>90% by SDS-PAGE

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

<b>Concentration</b>	1 mg/ml (determined by Bradford)
<b>Sequences of amino acids</b>	MGSSHHHHHH SSGLVPRGSH MDGEEKTYGG CEGPDAMYVK LISSDGHEFI VKREHALTSG TIKAMLSGPG QFAENETNEV NFREIPSHVL SKVCMYFTYK VRYTNSSTEI PEFPIAPEIA LELLMAANFL DC
<b>Storage</b>	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
<b>Pathways</b>	Adaptive Immunity Signaling; Antigen processing: Ubiquitination & Proteasome degradation; Class I MHC mediated antigen processing & presentation; ECS complex; ECV complex; Formation and Maturation of mRNA Transcript; Formation of HIV-1 elongation complex containing HIV-1 Tat; Formation of HIV-1 elongation complex in the absence of HIV-1 Tat; Formation of RNA Pol II elongation complex; Gene Expression; HIF-2-alpha transcription factor network; HIV Infection; HIV Life Cycle; HIV-1 Transcription Elongation; HIV-1 elongation arrest and recovery
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	TCEB1 transcription elongation factor B (SIII), polypeptide 1 (15kDa, elongin C) [ Homo sapiens ]
<b>Official Symbol</b>	TCEB1
<b>Synonyms</b>	TCEB1; transcription elongation factor B (SIII), polypeptide 1 (15kDa, elongin C); SIII; transcription elongation factor B polypeptide 1; eloC; SIII p15; elongin-C; OTTHUMP00000226846; OTTHUMP00000226847; OTTHUMP00000226848; OTTHUMP00000226849; OTTHUMP00000226850; OTTHUMP00000226851; OTTHUMP00000226852; OTTHUMP00000227658; elongin 15 kDa subunit; transcription elongation factor B, polypeptide 1; RNA polymerase II transcription

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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

factor SIII subunit C; Elongin 15 kDa subunit; transcription elongation factor B polypeptide 1; EloC; transcription elongation factor B (SIII), polypeptide 1 (15kD, elongin C); Elongin-C

**Gene ID** [6921](#)

**mRNA Refseq** [NM\\_001204857](#)

**Protein Refseq** [NP\\_001191786](#)

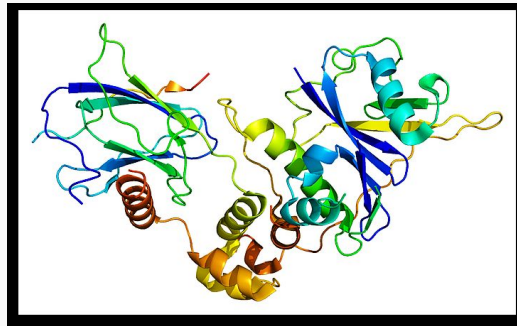
**MIM** [600788](#)

**UniProt ID** [Q15369](#)

**Chromosome Location** 8q21.11

**Function** protein binding

PDBrendering based on 1lm8.



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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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