

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

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

SPECIFICATION

Product Overview	Recombinant human TCEB1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
Description	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.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.15M NaCl.
Molecular Weight	14.6 kDa (132aa), confirmed by MALDI-TOF.
Purity	>90% by SDS-PAGE

 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

Concentration	1 mg/ml (determined by Bradford)
Sequences of amino acids	MGSSHHHHHH SSGLVPRGSH MDGEEKTYGG CEGPDAMYVK LISSDGHEFI VKREHALTSG TIKAMLSGPG QFAENETNEV NFREIPSHVL SKVCMYFTYK VRYTNSSTEI PEFPIAPEIA LELLMAANFL DC
Storage	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.
Pathways	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
GENE INFORMATION	
Gene Name	TCEB1 transcription elongation factor B (SIII), polypeptide 1 (15kDa, elongin C) [Homo sapiens]
Official Symbol	TCEB1
Synonyms	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

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.

