

**TCEB1, 1-112 aa, Human, His tag E.coli**

**Cat.NO.: TP04167**

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3th Edition

**Synonyms:**Transcription elongation factor B polypeptide 1, SIII, Elongin-C

**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. Recombinant human TCEB1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**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

**Sequences:**

MGSSHHHHHSSGLVPRGSHMDGEEKTYGGCEGPDAMYVKLISSDGHEFIVKREHALTSGTIKAMLSGPGQFAEN  
ETNEVNFREIPSHVLSKVCMYFTYKVRYSSTEIPEFPPIAPEIALELLMAANFLDC

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.