

Recombinant Human TCEB1

Cat. No. TCEB1-30815TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human TCEB1 with N terminal proprietary tag; Predicted MWt 38.06 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	112 amino acids
Description	This gene encodes the protein elongin C, 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. Multiple alternatively spliced transcript variants encoding two distinct isoforms have been identified.
Molecular Weight	38.060kDa inclusive of tags
Tissue specificity	Overexpressed in prostate cancer cell line PC-3 and breast cancer cell line SK-BR-3.
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MDGEEKTYGGCEGPDAMYVKLISSDGHEFIVKREHALTSG TIKAMLSGPGQFAENE TNEVNFREIPSHVLSKVCMYFTYK VRYTNSSTEIPEFPPIAPEIALELLMAANFLDC
Sequence Similarities	Belongs to the SKP1 family.

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); transcription elongation factor B (SIII), polypeptide 1 (15kD, elongin C); transcription elongation factor B polypeptide 1; SIII;
Gene ID	6921
mRNA Refseq	NM_001204863
Protein Refseq	NP_001191792
MIM	600788

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Uniprot ID	Q15369
Chromosome Location	8q13.3
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC mediated antigen processing & presentation, organism-specific biosystem;
Function	protein binding;

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