

Recombinant Human TCEB2

Cat. No. TCEB2-30816TH **Lot. No.** (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant full length Human TCEB2 protein , predicted MWt: 13.1 kDa. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 118 amino acids |
| Description | <p>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.</p> |
| Molecular Weight | 13.100kDa |
| Form | Liquid |
| Purity | >95% by SDS-PAGE |

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| Storage buffer | pH: 8.00 Constituents: 0.32% Tris HCl, 0.02% DTT, 0.02% PMSF, 20% Glycerol |
| Storage | Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. |
| Sequences of amino acids | MDVFLMIRRH KTTIFDTAKE SSTVFELKRI VEGILKRPPD EQRLYKDDQL LDDGKTLGEC GFTSQTAR PQ APATVGLAFR ADDTFEALCIEPFSSPELP DVMKPQDSGS SANEQAVQ |
| Sequence Similarities | Contains 1 ubiquitin-like domain. |

GENE INFORMATION

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|------------------------|--|
| Gene Name | TCEB2 transcription elongation factor B (SIII), polypeptide 2 (18kDa, elongin B) [Homo sapiens] |
| Official Symbol | TCEB2 |
| Synonyms | TCEB2; transcription elongation factor B (SIII), polypeptide 2 (18kDa, elongin B); transcription elongation factor B (SIII), polypeptide 2 (18kD, elongin B); transcription elongation factor B polypeptide 2; SIII; |
| Gene ID | 6923 |
| mRNA Refseq | NM_007108 |
| Protein Refseq | NP_009039 |
| MIM | 600787 |

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| Uniprot ID | Q15370 |
| Chromosome Location | 16p12.3 |
| 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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