# Recombinant Human ELOB Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ELOB-5792H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | TCEB2 MS Standard C13 and N15-labeled recombinant protein (NP_996896) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells. |
| **Species** | Human |
| **Source** | HEK293 |
| **Description** | 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. |
| **Molecular Mass** | 17.7 kDa |
| **AA Sequence** | MDVFLMIRRHKTTIFTDAKESSTVFELKRIVEGILKRPPDEQRLYKDDQLLDDGKTLG ECGFTSQTARPQAPATVGLAFRADDTFEALCIEPFSSPPELPDVMKPQDSGSSANE |

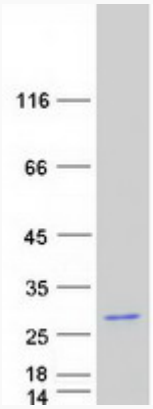
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| | QAVHLHVHSQTMAKNRNTSWSQCPGLTACSTREPQDGPTQVHPRWGLTRTRPLE QKLISEEDLAANDILDYKDDDDKV |
| **Purity** | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| **Stability** | Stable for 3 months from receipt of products under proper storage and handling conditions. |
| **Storage** | Store at -80 centigrade. Avoid repeated freeze-thaw cycles. |
| **Concentration** | 50 μg/mL as determined by BCA |
| **Storage Buffer** | 100 mM glycine, 25 mM Tris-HCl, pH 7.3. |

## GENE INFORMATION

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| **Gene Name** | ELOB elongin B [ Homo sapiens (human) ] |
| **Official Symbol** | ELOB |
| **Synonyms** | ELOB; elongin B; SIII; TCEB2; elongin-B; RNA polymerase II transcription factor SIII p18 subunit; RNA polymerase II transcription factor SIII subunit B; SIII p18; elongin 18 kDa subunit; elongin, 18-kD subunit; epididymis secretory sperm binding protein; transcription elongation factor B (SIII), polypeptide 2 (18kDa, elongin B); transcription elongation factor B polypeptide 2; transcription elongation factor B subunit 2 |
| **Gene ID** | 6923 |
| **mRNA Refseq** | NM_207013 |
| **Protein Refseq** | NP_996896 |

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| **MIM** | 600787 |
| **UniProt ID** | Q15370 |
| **SDS-PAGE** |  |



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