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32-5050: Recombinant Human Transcription Elongation Factor B Polypeptide 1

Alternative Name : Transcription elongation factor B polypeptide 1,Elongin 15 kDa subunit,Elongin-C,EloC,RNA polymerase II transcription factor SIII subunit C,SIII p15,TCEB1,SIII.

Description

Source : Escherichia Coli. TCEB1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 132 amino acids (1-112 a.a.) and having a molecular mass of 14.6kDa. TCEB1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. TCEB1 (elongin C) is a subunit of elongin, which is a common transcription elongation factor that increases the RNA polymerase II transcription elongation past template encoded arresting sites. The SIII complex is comprised of elongins A/A2, B and C. The SIII complex activates elongation by RNA polymerase II by curbing transient pausing of the polymerase at numerous sites within transcription units. Elongin A acts as the transcriptionally active component of the SIII complex, while elongins B and C are regulatory subunits. Elongin A2 is specifically expressed in the testis, and able to forming a stable complex with elongins B and C. The VHL (von Hippel-Lindau) tumor suppressor protein binds to elongins B and C, and thus inhibits transcription elongation.

Product Info

Amount :	20 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	TCEB1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 1mM DTT and 0.15M NaCl.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.