

TCEB3 Protein, Human (Sf9, His, Strep)

Cat. No.:	HY-P701514
Synonyms:	ELOA (TCEB3); Elongin-A; EloA; Elongin 110 kDa subunit; RNA polymerase II transcription factor SIII subunit A1; SIII p110; Transcription elongation factor B polypeptide 3
Species:	Human
Source:	Sf9 insect cells
Accession:	Q14241 (H2-R798)
Gene ID:	6924
Molecular Weight:	

PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 µm filtered solution of 50 mM Tris-HCl, pH7.5, 200 mM NaCl, 20% glycerol.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	Please use rapid thawing with running water to thaw the protein.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	TCEB3, also referred to as SIII, functions as a general transcription elongation factor, facilitating RNA polymerase II transcription elongation beyond template-encoded arresting sites. The transcriptional activity of subunit A is significantly boosted by its interaction with the dimeric complex formed by the SIII regulatory subunits B and C, collectively known as the elongin BC complex. TCEB3 operates within a multisubunit assembly, including elongin BC complex (ELOB and ELOC), elongin A/ELOA, RBX1, and CUL5. In this context, it polyubiquitinates monoubiquitinated POLR2A, contributing to the regulation of transcriptional processes.
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Caution: Product has not been fully validated for medical applications. For research use only.

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