

32-5044: Recombinant Human Transcription Elongation Factor A (SII)- 1

Alternative Name : Transcription elongation factor A (SII) 1, Transcription elongation factor TFIIIS.o, TCEA, GTF2S, SII, TF2S.

Description

Source : E.coli. TCEA1 Human Recombinant produced in E. coli is a single polypeptide chain containing 325 amino acids (1-301) and having a molecular mass of 36.5kDa. TCEA1 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. TCEA1 is a member of the TFS-II family. TCEA1 binds to Pol II and operates to cleave the emerging transcript, thus unlocking the complex and permitting transcription to continue. TCEA1 is localized to the nucleus and holds three independently-folding domains that are essential for accurate binding to Pol II. The arresting sites in are able to trap a certain segment of elongating RNA polymerases that goes through, causing in a locked ternary complex. Cleavage of the emerging transcript by S-II enables the renewal of elongation from the new 3'-terminus.

Product Info

Amount :	20 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The TCEA1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 7.5), 1mM DTT, 50mM NaCl and 20% glycerol.
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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMEDEVV RFAKKMDKMV QKKNAAGALD LLKELKNIPM TLELLQSTRI GMSVNAIKQKQ STDEEVTSLA KSLIKSWKKL LDGPSTEKDL DEKKKEPAIT SQNSPEAREE STSSGNVSNR KDETNRDITY VSSFPRAPST SDSVRLKCRE MAAAAALRTGD DYIAIGADEE ELGSQIEEAI YQEIRNTDMK YKNRVRSRIS NLKDAKNPNL RKNVLCGNIP PDLFARMTAE EMASDELKEM RKNLTKEAIR EHQMAKTGGT QTDLFTCGKC KKKNCTYTQV QTRSADEPMT TFVVCNECGN RWKFC

