9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TCEA1 Human

Transcription Elongation Factor A (SII)-1 Human Recombinant
RCP2337

Product Overview

Name	TCEA1 Human
Description	
Transcription Elongation Factor A (SII)-1 Human Recombinant	
Accession (Primary)	P23193
Synonyms	
Transcription elongation factor A (SII) 1, Transcription elongation factor TFIIS.o, TCEA, GTF2S, SII, TF2S.	
Introduction	
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.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The TCEA1 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 7.5), 1mM DTT, 50mM NaCl and 20% glycerol.	
Stability	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MEDEVV RFAKKMDKMV QKKNAAGALD LLKELKNIPM TLELLQSTRI GMSVNAIRKQ STDEEVTSLA KSLIKSWKKL LDGPSTEKDL DEKKKEPAIT SQNSPEAREE STSSGNVSNR KDETNARDTY VSSFPRAPST SDSVRLKCRE MLAAALRTGD DYIAIGADEE ELGSQIEEAI YQEIRNTDMK YKNRVRSRIS NLKDAKNPNL RKNVLCGNIP PDLFARMTAE EMASDELKEM RKNLTKEAIR EHQMAKTGGT	

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QTDLFTCGKC KKKNCTYTQV QTRSADEPMT TFVVCNECGN RWKFC

Precautions

TCEA1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P23193)