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TCEA1, 1-301aa, Human, His tag, E.coli

产品货号: TP04161

第三版

别名: Transcription elongation factor A protein 1, GTF2S, SII, TCEA, TF2S, TFIIS

**描述:** TCEA1 (Transcription elongation factor A protein 1) belongs to the TFS-II family. TCEA1 binds to Pol II and functions to cleave the nascent transcript, thereby unlocking the complex and allowing transcription to continue. Localized to the nucleus, TCEA1 contains three independently-folding domains, all of which are necessary for proper binding to Pol II. The arresting sites in DNA have the property of trapping a certain fraction of elongating RNA polymerases that pass through, resulting in locked ternary complexes. Cleavage of the nascent transcript by S-II allows the resumption of elongation from the new 3'-terminus. Recombinant human TCEA1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

**配方:** Liquid. In 20 mM Tris-HCl buffer, pH7.5, 20% glycerol, 1mM DTT, 50mM NaCl

**分子量:** 36.5kDa (325aa), confirmed by MALDI-TOF

**序列:**

MGSSHHHHHSSGLVPRGSHMGSHMEDEVVRFakkMDKMVQKkNAAGALDLLKELKNIPMTLELLQSTRIGMSVNAI  
RKQSTDEEVTSLAKSLIKSWKLLDGPSTEKDLDEKkKEPAITSQNSPEAREESTSSGNVSNRKDETNARDTYVSSFPAPSTS  
DSVRLKCREMLAAALRTGDDYIAIGADEEELGSQIEEAIYQEIRNTDMKYKNRVRSRISNLKDAKNPNLRKNVLCGNIPDL  
FARMTAEEMASDELKEMRKNLTKEAIREHQMAKTGGTQTDLFTCGKCKKKNCTYTQVQTRSADEPMTTFVVCNECGN  
RWKFC

**纯度:** > 95% by HPLC

**浓度:** 1mg/ml (determined by Bradford assay)

**内毒素:** <1.0 EU per 1 ug of protein (determined by LAL method)

**存储:** +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.