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POLR3K, 1-108aa, Human, His tag, E.coli

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第三版

别名:DNA-directed RNA polymerase III subunit RPC10, C11, C11-RNP3, hRPC11, My010, RPC10, RPC11, RPC12.5

描述:POLR3K is a small essential subunit of RNA polymerase III, the polymerase responsible for synthesizing transfer and small ribosomal RNAs in eukaryotes. The carboxy-terminal domain of this subunit shares a high degree of sequence similarity to the carboxy-terminal domain of an RNA polymerase II elongation factor. This similarity in sequence is supported by functional studies showing that this subunit is required for proper pausing and termination during transcription. Pseudogenes of this gene are found on chromosomes 13 and 17 Recombinant human POLR3K protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

配方:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 50% glycerol, 2mM DTT, 2mM EDTA

分子量:14.7kDa(131aa)

序列:

MGSSHHHHHSSGLVPRGSHMGSMMLLFCPGCGNGLIVEEGQRCHRFACNTCPYVHNITRKVTNRKYPKLKEVDDVLG  
GAAAWENVDDSTAESCPKCEHPRAYFMYQLQTRSADEPMTTFYKCCNAQCGHRWRD

纯度:> 95% by HPLC

浓度:0.25 mg/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.