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OBFC1, 1-368aa Human, His tag, E.coli

产品货号: TP03242

第三版

别名:CST complex subunit STN1, AAF-44, RPA-32, STN1

描述:CST complex subunit STN1, also known as OBFC1, is a component of the CST complex, a complex that binds to single-stranded DNA and is required to protect telomeres from DNA degradation. The CST complex binds single-stranded DNA with high affinity in a sequence-independent manner, while isolated subunits bind DNA with low affinity by themselves. In addition to telomere protection, the CST complex has probably a more general role in DNA metabolism at non-telomeric sites. Recombinant human OBFC1 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, 20% glycerol, 1mM DTT

分子量:44.5 kDa (391aa) confirmed by MALDI-TOF

序列:

MGSSHHHHHSSGLVPRGSHMGSMQPGSSRCEEETPSLLWGLDPVFLAFAKLYIRDILDMKESRQVPGVFLYNGHPIKQV
DVLGTVIGVRERDAFYSGVDDSTGVINCICWKKLNTESVSAAPSAARELSLTSQKKLQETIEQKTKIEIGDTIRVRSIRTY
REEREIHATAYYKVDVDPVWNIQIARMLELPTIYRKVYDQPFHSSALEKEEALSNGALDLPSTLSLLSEKAKEFLMENRVQSF
YQQELEMVESLLSLANQPVIHSACSDQVNFKKDTTSKAIHSIFKNAIQLLQEKGLVFQKDDGFDNLYYVTREDKDLHRKIH
RIIQDCQKPNHMEKGCHFLHILACARLSIRPGLSEAVLQQVLELLEDQSDIVSTMEHYTAF

纯度:> 95% by HPLC

浓度:0.5 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.