

Product information



OBFC1, 1-368aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1935

Full name: CST complex subunit STN1

NCBI Accession No.: NP_079204

Synonyms: AAF-44, RPA-32, STN1

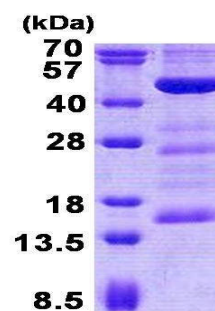
Description: CST complex subunit STN1, also known as OBFC1, is a component of the CST complex, a complex that binds to single-stranded DNA and is required to protect telomeres from DNA degradation. The CST complex binds single-stranded DNA with high affinity in a sequence-independent manner, while isolated 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.

Form: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl,
20% glycerol, 1mM DTT

Molecular Weight: 44.5 kDa (391aa) confirmed by MALDI-TOF

Purity: > 85% by SDS - PAGE

Concentration: 0.5 mg/ml (determined by Bradford assay)



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH SSGLVPRGSH MGSMPGSSR CEEETPSLLW GLDPVFLAFA KLYIRDILDM KESRQVPGVF LYNHPIKQV DVLGTVIGVR
ERDAFYSGV DDSTGVINCI CWKKLNTESV SAAPSAAREL SLTSQKKLQ ETIEQTKIE IGDTRVRGS IRTYREEREI HATAYYKVDD
PVWNIQIARM LELPTIYRKV YDQPFHSSAL EKEEALSNPG ALDPLSLTSL LSEKAKEFLM ENRVQSFYQQ ELEMVESLLS LANQPVIHSA
CSDQVNFKKD TTSKAIHSIF KNAIQLLQEK GLVFQKDDGF DNLYYVTRED KDLHRKIHR IQQDCQKPNH MEKGCHFLHI LACARLSIRP
GLSEAVLQQV LELLEQSDI VSTMEHYTA F

General references:

Miyake Y., *et al.* (2009) *Mol. Cell.* 36:193-206

Wan M., *et al.* (2009) *J. Biol. Chem.* 284:26725-26731

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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