

AR50759PU-N

Human OBFC1 (1-368, His-tag) - Purified

Alternate names:	CST complex subunit STN1, Oligonucleotide/oligosaccharide-binding fold-containing protein 1, Suppressor of cdc thirteen homolog
Quantity:	0.25 mg
Concentration:	0.5 mg/ml (determined by Bradford assay)
Background:	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.
Uniprot ID:	Q9H668
NCBI:	NP_079204
GeneID:	79991
Species:	Human
Source:	E. coli
Format:	State: Liquid purified protein Purity: >85% by SDS - PAGE Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
Description:	Recombinant human OBFC1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. AA Sequence: MGSSHHHHH SSGLVPRGSH MGSMQPGSSR CEEETPSLLW GLDPVFLAFA KLYIRDILDM KESRQVPGVF LYNHPIKQV DVLGTVIGVR ERDAFYSGV DDSTGVINCI CWKKLNTESV SAAPSAAREL SLTSQKKLQ ETIEQTKIE IGDITVRGS IRTYREEREI HATAYYKVD PVWNIQIARM LELPTIYRKV YDQPFHSSAL EKEEALSNPG ALDLPSTSL LSEKAKEFLM ENRVQSFYQQ ELEMVESLLS LANQPVHSA CSDQVNFKKD TTSKAIHSIF KNAIQLLQEK GLVFQKDDGF DNLYYVTRED KDLHRKIHR IQQDCQKPNH MEKGCHFLHI LACARLSIRP GLSEAVLQQV LELLEQSDI VSTMEHYTA F Molecular weight: 44.5 kDa (391aa) confirmed by MALDI-TOF
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	Miyake Y., et al. (2009) Mol. Cell. 36:193-206 Wan M., et al. (2009) J. Biol. Chem. 284:26725-26731

Pictures:

