

AR50759PU-S**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:

50 µg

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:

MGSSHHHHHH SSGLVPRGSH MGSMQPGSSR CEEETPSLLW GLDPVFLAFA KLYIRDILDM
KESRQVPGVF LYNHGPIKQV DVLGTVIGVR ERDAFYISYGV DDSTGVINCI CWKKLNTEVS
SAAPSAAREL SLTSQLKKLQ ETIEQTKIE IGDITRVRGS IRTYREEREI HATAYYKVD
PVWNIQIARM LELPTIYRKV YDQPFHSSAL EKEEALSNDP ALDLPSTLSL LSEKAKEFLM
ENRVQSFYQQ ELEMVESLLS LANQPVHSA CSDQVNFKKD TTSKAIHSIF KNAIQLLQEK
GLVFQKDDGF DNLYYVTRED KDLHRKIHRI IQQDCQKPNH MEKGCHFLHI LACARLSIRP
GLSEAVLQQV LELLEQSDI VSTMEHYTYA F

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

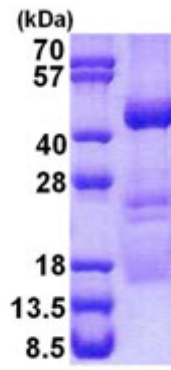
Storage:

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:



15% SDS-PAGE (3ug)