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Schillerstr. 5

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

GenelD: 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 LYNGHPIKQV DVLGTVIGVR ERDAFYSYGV DDSTGVINCI CWKKLNTESV SAAPSAAREL SLTSQLKKLQ ETIEQKTKIE IGDTIRVRGS IRTYREEREI HATAYYKVDD PVWNIQIARM LELPTIYRKV YDQPFHSSAL EKEEALSNPG ALDLPSLTSL LSEKAKEFLM ENRVQSFYQQ ELEMVESLLS LANQPVIHSA CSDQVNFKKD TTSKAIHSIF KNAIQLLQEK GLVFQKDDGF DNLYYVTRED KDLHRKIHRI IQQDCQKPNH MEKGCHFLHI LACARLSIRP

GLSEAVLQQV LELLEDQSDI VSTMEHYYTA 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.

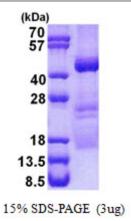
Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings: Miyake Y., et al. (2009) Mol. Cell. 36:193-206Wan M., et al. (2009) J. Biol. Chem.

284:26725-26731



Pictures:



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