

Recombinant Human OBFC1, His-tagged

Cat. No. OBFC1-7235H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human OBFC1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
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.
source	E. coli
species	Human
tag	His
form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 20% glycerol, 1mM DTT
molecular mass	44.5 kDa (391aa)

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aa sequence	MGSSHHHHHH SSGLVPRGSH MGSMQPGSSR CEEETPSLLW GLDPVFLAFA KLYIRDILDM KESRQVPGVF LYNGHPIKQV DVLGTVIGVR ERDAFYSGV DDSTGVINCI CWKKLNTESV SAAPSAAREL SLTSQLKKLQ ETIEQGTKIE IGDITVRGVS IRTYREEREI HATAYYKVDD PVWNIQIARM LELPTIYRKV YDQPFHSSAL EKEEALSNPG ALDLPSLTSL LSEKAKEFLM ENRVQSFYQQ ELEMVESLLS LANQPIHSA CSDQVNFKKD TTSKAIHSIF KNAIQLLQEK GLVFQKDDGF DNLYYVTRED KDLHRKIHRI IQQDCQKPNH MEKGCHFLHI LACARLSIRP GLSEAVLQQV LELLEDQSDI VSTMEHYTYA F
purity	>85% by SDS - PAGE
applications	SDS-PAGE
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.
concentration	0.5 mg/ml
GENE INFORMATION	
gene name	OBFC1 oligonucleotide/oligosaccharide-binding fold containing 1 [Homo sapiens]
official symbol	OBFC1
synonyms	OBFC1; oligonucleotide/oligosaccharide-binding fold containing 1; CST complex subunit STN1; bA541N10.2; FLJ22559; alpha accessory factor 44; suppressor of cdc thirteen homolog; replication protein A 32 kDa subunit; oligonucleotide/oligosaccharide-binding fold-containing protein 1; STN1; AAF44; AAF-44; RPA-32; RP11-541N10.2;
Gene ID	79991

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mrna refseq	NM_024928
protein refseq	NP_079204
mim	613128
uniprot id	Q9H668
chromosome location	10q25.1
function	DNA binding; protein binding; single-stranded DNA binding; single-stranded telomeric DNA binding;

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