

## 32-4366: Recombinant Human Oligonucleotide Binding Fold Containing 1

**Alternative Name** AAF-44,RPA-32,STN1,CST complex subunit STN1,Suppressor of cdc thirteen  
:  
homolog,Oligonucleotide/oligosaccharide-binding fold-containing protein 1,OBFC1.

### Description

Source : Escherichia Coli. OBFC1 Human Recombinant produced in E. coli is. a single polypeptide chain containing 391 amino acids (1-368) and having a molecular mass of 44.5kDa. OBFC1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Oligonucleotide Binding Fold Containing 1 (OBFC1) is a part of the CST complex, a complex which binds to single-stranded DNA and is essential to defend telomeres from DNA degradation. The CST complex binds single-stranded DNA with high affinity in a sequence-independent way, whereas isolated subunits bind DNA with low affinity by themselves. The role of the CST complex is less specific in DNA metabolism at non-telomeric sites.

### Product Info

**Amount :** 10 µg  
**Purification :** Greater than 85% as determined by SDS-PAGE.  
**Content :** The OBFC1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.  
**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMQPGSSR CEEETPSLLW GLDPVFLAFA KLYIRDILDM  
KESRQVPGVF LYNGHPIKQV DVLGTVIGVR ERDAFYSGV DDSTGVINCI CWKKLNTESV SAAPSAAREL  
SLTSQKLLQ ETIEQKTKIE IGDTIRVRGS IRTYREEREI HATAYYKVDD PVWNIQIARM LELPTIYRKV  
YDQPFHSSAL EKEEALSNPG ALDLPSLTSL LSEKAKEFLM ENRVQSFYQQ ELEMVESLLS LANQPVHSA  
CSDQVNFKKD TTSKAIHSIF KNAIQLLQEK GLVFQKDDGF DNLYYVTRED KDLHRKIHR IQQDCQKPNH  
MEKGCHFLHI LACARLSIRP GLSEAVLQQV LELLEDQSDI VSTMEHYTTA F.