9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

OBFC1 Human

Oligonucleotide Binding Fold Containing 1 Human Recombinant
RCP1549

Product Overview

Name	OBFC1 Human

Description

Oligonucleotide Binding Fold Containing 1 Human Recombinant

Accession (Primary)	Q9H668

Synonyms

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

Introduction

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.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The OBFC1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 20% glycerol and 1mM DTT.

Stability

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.

Purity

Greater than 85% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS MQPGSSR 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

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TTSKAIHSIF KNAIQLLQEK GLVFQKDDGF DNLYYVTRED KDLHRKIHRI IQQDCQKPNH MEKGCHFLHI LACARLSIRP GLSEAVLQQV LELLEDQSDI VSTMEHYYTA F.

Precautions

OBFC1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9H668)