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Datasheet for ABIN7318845 OBFC1 Protein (His tag)

Overview

Quantity:	50 µg
Target:	OBFC1
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This OBFC1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human OBFC1/STN1 Protein (His Tag)
Sequence:	Met 1-Phe368
Characteristics:	Recombinant Human Oligosaccharide-Binding Fold-Containing Protein 1 is produced by our E.coli expression system and the target gene encoding Met1-Phe368 is expressed with a 6His tag at the N-terminus.
Purity:	> 85 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	OBFC1
Alternative Name:	OBFC1/STN1 (OBFC1 Products)
Background:	Background: CST Complex Subunit STN1 (OBFC1) is a 368 amino acid protein that contains one OB DNA-binding domain. It is a member of the STN1 family. OBFC1 is component of the

Target Details

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.

Synonym: CST Complex Subunit STN1, Oligonucleotide/Oligosaccharide-Binding Fold-Containing Protein 1, Suppressor of Cdc Thirteen Homolog, OBFC1, STN1

Molecular Weight: 44.2 kDa

UniProt: [Q9H668](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM Tris, 1 mM DTT, pH 8.0.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.