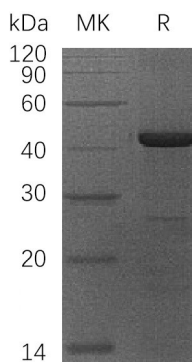


Summary

Name	STN1/CST complex subunit STN1/OBFC1
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/ μ g as determined by LAL test.
Construction	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.
Accession #	AAH17400.1
Host	E.coli
Species	Human
Predicted Molecular Mass	44.3 KDa
Formulation	Lyophilized from a 0.2 μ m filtered solution of 20mM Tris-HCl, 1mM DTT, 5% Trehalose, pH 8.0.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Store at $\leq -70^{\circ}\text{C}$, stable for 6 months after receipt. Store at $\leq -70^{\circ}\text{C}$, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image



Product Name: Recombinant Human OBFc1 (N-6His)
Catalog #: PEH1575



Background

Alternative Names

CST Complex Subunit STN1; Oligonucleotide/Oligosaccharide-Binding Fold-Containing Protein 1; Suppressor of Cdc Thirteen Homolog; OBFc1; STN1

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 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.

Note

For Research Use Only , Not for Diagnostic Use.