

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



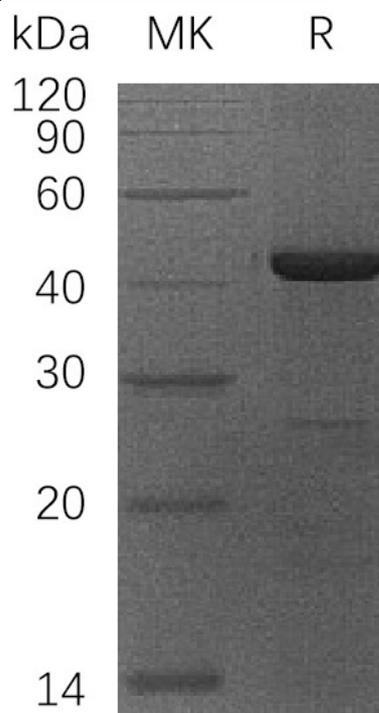
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## Summary

<b>Name</b>	STN1/CST complex subunit STN1/OBFC1
<b>Purity</b>	Greater than 95% as determined by reducing SDS-PAGE
<b>Endotoxin level</b>	<1 EU/μg as determined by LAL test.
<b>Construction</b>	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.
<b>Accession #</b>	AAH17400.1
<b>Host</b>	E.coli
<b>Species</b>	Human
<b>Predicted Molecular Mass</b>	44.3 KDa
<b>Formulation</b>	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 1mM DTT, 5% Trehalose, pH 8.0.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Stability&amp;Storage</b>	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
<b>Reconstitution</b>	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

## SDS-PAGE image

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### **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.