

**Recombinant Human OBFC1/CST Complex Subunit STN1 Protein(N-6His)**

**Cat.NO.: TP05740**

3th Edition

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

**Description:**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.

**Form:**PBS

**Molecular Weight:**44.2 kDa

**Sequences:**Met 1-Phe368

**Purity:**> 95% by HPLC

**Concentration:**

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.