



Recombinant Protein Technical Manual
Recombinant Human OBFC1/STN1 Protein (His Tag)
RPES0843

Product Data:

Product SKU: RPES0843

Size: 10µg

Species: Human

Expression host: E. coli

Uniprot: AAH17400.1

Protein Information:

Molecular Mass: 44.3 kDa

AP Molecular Mass: 44 kDa

Tag: N-6His

Bio-activity:

Purity: > 85 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: 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.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

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

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

Application:

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

Immunogen Information:

Sequence: Met 1-Phe368

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.