

Recombinant Human STN1 Protein, MYC/DDK-tagged, C13 and N15-labeled

Cat. No. STN1-175H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OBFC1 MS Standard C13 and N15-labeled recombinant protein (NP_079204) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	OBFC1 and C17ORF68 (MIM 613129) are subunits of an alpha accessory factor (AAF) that stimulates the activity of DNA polymerase-alpha-primase (see MIM 176636), the enzyme that initiates DNA replication (Casteel et al., 2009 [PubMed 19119139]). OBFC1 also appears to function in a telomere-associated complex with C17ORF68 and TEN1 (C17ORF106; MIM 613130) (Miyake et al., 2009 [PubMed 19854130]). [supplied by OMIM, Nov 2009]
Molecular Mass	42.1 kDa
AA Sequence	MQPGSSRCEEETPSLLWGLDPVFLAFKLYIRDILDMKESRQVPGVFLYNGHPIKQV DVLGTVIGVRERDAFYSGVDDSTGVINCICWKKLNTESVSAAPSAARELSLTSQK KLQETIEQKTKIEIGDTIRVRGSIRTYREEREIHATAYYKVDDPVWNIQIARMLELPTIY RKVYDQPFHSSALEKEEALSNPGALDLPSTLSLLSEKAKEFLMENRVQSFYQQELE MVESLLSLANQPVIHSACSDQVNFKKDTTSKAIHSIFKNAIQLLQEKGLVFQKDDGFD NLYYVTREDKDLHRKIHRIIQQDCQKPNHMEKGCHFLHILACARLSIRPGLSEAVLQQ VLELLEDQSDIVSTMEHYTAFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	STN1 STN1 subunit of CST complex [Homo sapiens (human)]
Official Symbol	STN1
Synonyms	STN1; STN1 subunit of CST complex; AAF-44; AAF44; bA541N10.2; OBFC1; RPA-32; CST complex subunit STN1; STN1, CST complex subunit; alpha accessory factor 44; oligonucleotide/oligosaccharide binding fold containing 1; oligonucleotide/oligosaccharide-binding fold-containing protein 1; replication protein A 32 kDa subunit; suppressor of cdc thirteen homolog
Gene ID	79991
mRNA Refseq	NM_024928
Protein Refseq	NP_079204
MIM	613128

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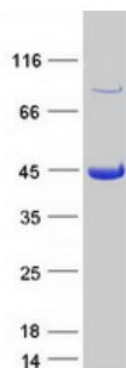
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UniProt ID

Q9H668

SDS-PAGE

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