

Recombinant Human TEN1 CST complex subunit, His-tagged

Cat. No. TEN1-212H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TEN1, 1-123aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-123 a.a.
Description	TEN1 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. Recombinant human TEN1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 7.5) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	16.2kDa (146aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMMLPKPG TYYLPWEVSA GQVPDGSTLR TFGRCLCYDM IQSRVTLMAQ HGSDQHQLV CTKLVEPFHA QVGSlyIVLG ELQHQQDRGS VVKARVLTCV EGMNLPLEQ AIREQRLYKQ ERGGSQ

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Purity	>90% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	TEN1 TEN1 CST complex subunit [Homo sapiens (human)]
Official Symbol	TEN1
Synonyms	TEN1; C17orf106; TEN1 CST complex subunit; CST complex subunit TEN1; protein telomeric pathways with STN1 homolog; TEN1 telomerase capping complex subunit homolog; telomere length regulation protein TEN1 homolog; telomeric pathways in association with Stn1, number 1
Gene ID	100134934
mRNA Refseq	NM_001113324
Protein Refseq	NP_001106795
MIM	613130
UniProt ID	Q86WV5
Chromosome Location	17q25.1
Function	DNA binding; protein binding

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