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32-5057: Recombinant Human TEN1

Alternative Name :	TEN1 telomerase capping complex subunit homolog (S. cerevisiae),C17orf106,CST complex subunit TEN1,Protein telomeric pathways with STN1 homolog,Telomere length regulation protein TEN1 homolog,TEN1.

Description

Source : Escherichia Coli. TEN1 Human Recombinant produced in E. coli is a single polypeptide chain containing 146 amino acids (1-123) and having a molecular mass of 16.2kDa. TEN1 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. TEN1 is part of a complex that binds to single-stranded DNA and is necessary in order to protect telomeres from DNA degradation (CST complex). The CST complex binds single-stranded DNA with high affinity in a sequence-independent mode, while isolated subunits bind DNA with low affinity by themselves. Further to telomere protection, the CST complex has most likely a more general part in DNA metabolism at non-telomeric sites.

Product Info

Amount :	10 µg
Purification :	Greater than 90% as determined by SDS-PAGE.
Content :	The TEN1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 0.15M NaCl, 10% glycerol and 1mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMMLPKPG TYYLPWEVSA GQVPDGSTLR TFGRLCLYDM IQSRVTLMAQ HGSDQHQVLV CTKLVEPFHA QVGSLYIVLG ELQHQQDRGS VVKARVLTCV EGMNLPLLEQ AIREQRLYKQ ERGGSQ.