9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

TEN1 Human

TEN1 Human Recombinant
RCP2350

Product Overview

Name	TEN1 Human
Description	
TEN1 Human Recombinant	
Accession (Primary)	Q86WV5
Synonyms	
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.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The TEN1 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 7.5), 0.15M NaCl, 10% glycerol and 1mM DTT.	
Stability	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MMLPKPG TYYLPWEVSA GQVPDGSTLR TFGRLCLYDM IQSRVTLMAQ HGSDQHQVLV CTKLVEPFHA QVGSLYIVLG ELQHQQDRGS VVKARVLTCV EGMNLPLLEQ AIREQRLYKQ ERGGSQ.	
Precautions	

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TEN1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q86WV5)