

TEP1 Protein, Human, Recombinant (His)

General Information

Synonyms:	TEP1;TLP1;TP1;p80 telomerase homolog;Telomerase-associated protein 1 (Telomerase protein 1);p240;Telomerase protein component 1
Protein Construction:	2-226 aa
Species:	Human
Expression Host:	E. coli
Accession:	Q99973
Molecular Weight:	28.8 kDa (predicted)
AA Sequence:	EKLHGHVSAHPDILSLENRCLAMLPDLQPLEKLHQHVSTHSDILSLKNQCLATLPDLKTMKPHGVSAHPDI LSLENQCLATLSDLKTMKPHGHVSAHPDILSLENRCLATLSSLKSTVSASPLFQSLQISHMTQADLYRVNNS NCLLSEPPSWRAQHFSKGLDLSTCPIALKSISATETAQEATLGRWFDSEEKKAETQMPSYLSLGEIEEVEDL AVKLT

QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

Preparation and Storage

Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Protein Background

Component of the telomerase ribonucleoprotein complex that is essential for the replication of chromosome termini. Also component of the ribonucleoprotein vaults particle, a multi-subunit structure involved in nucleocytoplasmic transport. Responsible for the localizing and stabilizing vault RNA (vRNA) association in the vault

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ribonucleoprotein particle. Binds to TERC.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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