



Recombinant Human DNTT Protein Product Manual

1. Product Basic Information

Product No.: REP06698

Protein Name: Terminal Transferase (DNTT)

Aliases: terminal transferase; terminal addition enzyme; DNA nucleotidylexotransferase; terminal deoxynucleotidyltransferase; terminal deoxyribonucleotidyltransferase

UniProt ID: P04053

UniProt Link: <https://www.uniprot.org/uniprotkb/P04053/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-509aa)

Molecular Weight: 62.5kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (1-509aa)

MDPPRASHLSRKKRPRQTGALMASSPQDIKFQDLVVFIEKKMGTTTTRRAFLMELAR
RRKGFRVENELSDSVTHIVAENNSGSDVLEWLQAQKVQVSSQPELLDVSWLIECIR
AGKPVEMTGKHQLVVRDYSNSTNPGPKTPPIAVQKISQYACQRRRTLNNCNQIF
TDAFDILAENCEFRENEDESCVTFMRAASVLKSLPFTIISMKDTEGIPCLGSKVKGIIEE
IEDGESSEVKAVLNDERYSFSLFTSVFGVGLKTSEKWFRMGFRTLKVRSDKSLK
FTRMQKAGFLYYEDLVSCVTRAEAEAVSVLVKEAVWAFLPDFAVMTMTGGFRRGKK
MGHDVDLITSPGSTEDDEEQLLQKVMNLWEKKGLLLYYDLVESTFEKLRLPSRKVD
ALDHFQKCFLIFKLPRQRVDSQSSWQEGKTWKAIRVDLVLCYPYERRAFALLGWTG
SRQFERDLRRYATHERKMILDNHALYDKTKRIFLKAEEEEFAHLGLDYIEPWERN

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human DNTT full length protein (1-509aa) expressed in E.coli. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. DNTT, also known as terminal transferase or terminal addition enzyme or DNA nucleotidylexotransferase, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.