

Telomerase reverse transcriptase (TERT) Recombinant Protein | TERT recombinant protein

Recombinant Dog Telomerase reverse transcriptase (TERT), partial

CATALOG # AAA117769	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

Telomerase reverse transcriptase (TERT); Recombinant Dog Telomerase reverse transcriptase (TERT); partial; TERT recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-308; Fragment at the N-terminal include RNA-interacting domain 1 domain
Sequence	MPRAPRCRAV RALLRGYRE VLPLATFLRR LGPPGRLLVR RGDPAAFRAL VAQCLVCVPW GARPPPAAPC FRQVSCLKEL VARVVQRLCE RGARNVLAFG FALLDGARGG PPVAFITTSVR SYLPNTVTET LRGSGAWGLL LRRVGDDVLT HLLARCALYL LVAPSCAYQV CGPPLYDLCA PASLPLPAPG LPGLPGLPGL GAGAGASADL RPTRQAQNSG ARRRRGSPGS GVPLAKRPRR SVASEPERGA HRSFPRAQQP PVSEAPAVTP AVAASPAASW EGGPPGTRPT TPAWHYPYGP QGVPHDPA
Sequence Length	308
Species	Canis familiaris (Dog) (Canis lupus familiaris)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for TERT recombinant protein	Telomerase is a ribonucleoprotein polymerase that maintains telomere ends by addition of the telomere repeat TTAGGG. The enzyme consists of a protein component with reverse transcriptase activity, encoded by this gene, and an RNA component which serves as a template for the telomere repeat. Telomerase expression plays a role in cellular senescence, as it is normally repressed in postnatal somatic cells resulting in progressive shortening of telomeres. Deregulation of telomerase expression in somatic cells may be involved in oncogenesis. Studies in mouse suggest that telomerase also participates in chromosomal repair, since de novo synthesis of telomere repeats may occur at double-stranded breaks. Alternatively spliced variants encoding different isoforms of telomerase reverse transcriptase have been identified; the full-length sequence of some variants has not been determined. Alternative splicing at this locus is thought to be one mechanism of regulation of telomerase activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	72255555
NCBI GeneID	403412
NCBI Accession #	NP_001026800.1
NCBI GenBank Nucleotide #	NM_001031630.1
UniProt Accession #	Q6A548
Molecular Weight	124,825 Da

NCBI Official Full Name	telomerase reverse transcriptase
NCBI Official Synonym Full Names	telomerase reverse transcriptase
NCBI Official Symbol	TERT
NCBI Protein Information	telomerase reverse transcriptase
UniProt Protein Name	Telomerase reverse transcriptase
UniProt Gene Name	TERT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/tert-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117769>