

Recombinant Human TERF1, His-tagged

Cat. No. TERF1-30122TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human TRF1 with a 6x His and a proprietary tag; 665 amino acids, Predicted MWt 77.2 kDa.
Species	Human
Source	E.coli
ProteinLength	419 amino acids
Description	This gene encodes a telomere specific protein which is a component of the telomere nucleoprotein complex. This protein is present at telomeres throughout the cell cycle and functions as an inhibitor of telomerase, acting in cis to limit the elongation of individual chromosome ends. The protein structure contains a C-terminal Myb motif, a dimerization domain near its N-terminus and an acidic N-terminus. Two transcripts of this gene are alternatively spliced products.
Conjugation	HIS
Molecular Weight	77.200kDa inclusive of tags
Tissue specificity	Highly expressed and ubiquitous. Isoform Pin2 predominates.
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	pH: 7.40Constituent:99% PBS
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Contains 1 HTH myb-type DNA-binding domain.
GENE INFORMATION	
Gene Name	TERF1 telomeric repeat binding factor (NIMA-interacting) 1 [Homo sapiens]
Official Symbol	TERF1
Synonyms	TERF1; telomeric repeat binding factor (NIMA-interacting) 1; TRBF1; telomeric repeat-binding factor 1; PIN2; TRF; TRF1;
Gene ID	7013
mRNA Refseq	NM_003218
Protein Refseq	NP_003209
MIM	600951
Uniprot ID	P54274
Chromosome Location	8q21.11
Pathway	Chromosome Maintenance, organism-specific biosystem; Meiosis, organism-specific biosystem; Meiotic Synapsis, organism-specific biosystem; Packaging Of Telomere

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	Ends, organism-specific biosystem; Regulation of Telomerase, organism-specific biosystem;
Function	DNA bending activity; DNA binding; cysteine-type endopeptidase activator activity involved in apoptotic process; double-stranded telomeric DNA binding; microtubule binding;