

Recombinant Human TERF1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TERF1-3059H Lot. No. (See product label)

SPECIFICATION

Product Overview

TERF1 MS Standard C13 and N15-labeled recombinant protein (NP_003209) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

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.

Molecular Mass

48.2 kDa

AA Sequence

MAEDVSSAAPSPRGCADGRDADPTEEQMAETERNDEEQFECQELLECCQVQVGAP
 EEEEEEEEDAGLVAAEAEVAAGWMLDFLCLSLCRAFRDGRSEDFRRTNSAEIIH
 GLSSLTACQLRTIYICQFLTRIAAGKTLDAQFENDERITPLESALMIWGSIEKEHDKLH
 EEIQNLIQAIIVCMENGNFKEAEEVFERIFGDPNSHMPFKSKLLMIISQKDTFHSFF
 QHFSYNHMMEEKIKSYVNYVLSEKSSTFLMKAALKVVEKRRTRTITSQDKPSGNDVE
 METEANLDRKRSHKNLFLSKLQHGTTQQDLNKKERRVGTTPQSTKSKKESRRATE
 SRIPVSKSQPVTPEKHRARKRQAWLWEEDKNLRSQVGRKYGEGNWSKILLHYKFNN

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RTSVMLKDRWRMTMKLKLISSESDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name TERF1 telomeric repeat binding factor 1 [Homo sapiens (human)]

Official Symbol TERF1

Synonyms TERF1; telomeric repeat binding factor (NIMA-interacting) 1; TRBF1; telomeric repeat-binding factor 1; PIN2; TRF; TRF1; NIMA-interacting protein 2; telomeric protein Pin2/TRF1; TTAGGG repeat-binding factor 1; t-TRF1; hTRF1-AS; FLJ41416;

Gene ID 7013

mRNA Refseq NM_003218

Protein Refseq NP_003209

MIM 600951

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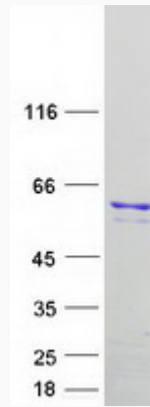
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UniProt ID


P54274

SDS-PAGE



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