

## Product datasheet for PH305904

### TRF1 (TERF1) (NM\_003218) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TERF1 MS Standard C13 and N15-labeled recombinant protein (NP_003209)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC205904
Predicted MW:	48.2 kDa
Protein Sequence:	>RC205904 protein sequence Red=Cloning site Green=Tags(s)

MAEDVSSAAPSPRGCADGRDADPTEEQMAETERNDEEQFECQELLECCQVQVGAPEEEEEEEEDAGLVAEA  
EAVAAGWMLDFLCLSLCRAFRDGRSEDFRRTRNSAEAIHGLSSLTACQLRTIYICQFLTRIAAGKTLDA  
QFENDERITPLESALMIWGSIEKEHDKLHEEIQNLIKIQAIAVCMENGNFKEAEEVFERIFGDPNSHMPF  
KSKLLMIISQKDTFHSFFQHFSYNHMEKIKSYVNYVLSEKSTFLMKAALKVVEKRTRTITSQDKPSG  
NDVEMETEANLDRKRSKLNFLSKLQHGTOQQDLNKKERRVGTQSTKKKKESRRATESRIPVSKSQPV  
TPEKHRARKRQAWLWEEDKNLRSGVRKYGEGNWSKILLHYKFNNRTSVMLKDRWRMCKLKLISDSED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003209</u>
RefSeq Size:	2900
RefSeq ORF:	1257
Synonyms:	hTRF1-AS; PIN2; t-TRF1; TRBF1; TRF; TRF1
Locus ID:	7013



[View online »](#)

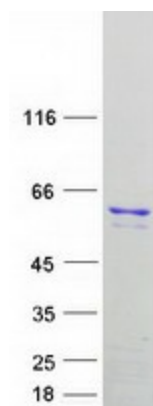
UniProt ID: [P54274](#), [P54274-2](#)

Cytogenetics: 8q21.11

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Transcription Factors

### Product images:



Coomassie blue staining of purified TERF1 protein (Cat# [TP305904]). The protein was produced from HEK293T cells transfected with TERF1 cDNA clone (Cat# [RC205904]) using MegaTran 2.0 (Cat# [TT210002]).