

## Product datasheet for **TP305904M**

### TRF1 (TERF1) (NM\_003218) Human Recombinant Protein

#### Product data:

|                                       |  |
|---------------------------------------|--|
| Product Type:                         | Recombinant Proteins   |
| Description:                          | Recombinant protein of human telomeric repeat binding factor (NIMA-interacting) 1 (TERF1), transcript variant 2, 100 µg  |
| Species:                              | Human  |
| Expression Host:                      | HEK293T  |
| Expression cDNA Clone or AA Sequence: | >RC205904 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)   |
|                                       | <p>MAEDVSSAAPSPRGCADGRDADPTTEEQMAETERNDEEQFECQELLECCQVQVGAPEEEEEEEEDAGLVAEA<br/>EAVAAGWMLDFLCLSLCRAFDRDGRSEDFRTRNSAEAIHGLSSLTACQLRTIYICQFLTRIAAGKTLDA<br/>QFENDERITPLESALMIWGSIEKEHDKLHEEIQNLIKIQAIAVCMENGNFKEAEEVFERIFGDPNSHMPF<br/>KSKLLMIISQKDTFHFFQHFSYNHMMEKIKSYVNYVLEKSSTFLMKAAAKVWESKRTRTITSQDKPSG<br/>NDVEMETEANLDTRKRSHKNLFLSKLQHGTQQDLNKKERRVGTPOSTKKKKESRRATESRIPVSKSQPV<br/>TPEKHRARKRQAWLWEEDKNLRSGVRKYGEGNWSKILLHYFNNRTSVMLKDRWRMCKLKLISDSED</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p> |
| Tag:                                  | C-Myc/DDK  |
| Predicted MW:                         | 48.1 kDa   |
| Concentration:                        | >0.05 µg/µL as determined by microplate BCA method   |
| Purity:                               | > 80% as determined by SDS-PAGE and Coomassie blue staining  |
| Buffer:                               | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol   |
| Preparation:                          | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.   |
| Note:                                 | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.   |
| Storage:                              | Store at -80°C.  |
| Stability:                            | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.  |
| RefSeq:                               | <a href="#">NP_003209</a>  |



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Locus ID: 7013

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

RefSeq Size: 2900

Cytogenetics: 8q21.11

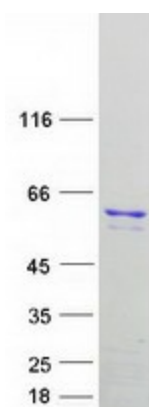
RefSeq ORF: 1257

Synonyms: hTRF1-AS; PIN2; t-TRF1; TRBF1; TRF; TRF1

**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]).