

# Recombinant Human TERF2 Protein, MYC/DDK-tagged, C13 and N15-labeled

**Cat. No.** TERF2-353H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | TERF2 MS Standard C13 and N15-labeled recombinant protein (NP_005643) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                        |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Description</b>      | This gene encodes a telomere specific protein, TERF2, which is a component of the telomere nucleoprotein complex. This protein is present at telomeres in metaphase of the cell cycle, is a second negative regulator of telomere length and plays a key role in the protective activity of telomeres. While having similar telomere binding activity and domain organization, TERF2 differs from TERF1 in that its N terminus is basic rather than acidic. [provided by RefSeq, Jul 2008] |
| <b>Molecular Mass</b>   | 55.4 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>AA Sequence</b>      | MAGGGGSSDGSRAAGRRASRSSGRARRGRHEPGLGGPAERGAGEARLEEAVN<br>RWVLKFYFHEALRAFRGSRYGDFRQIRDIMQALLVRPLGKEHTVSRLLRVMQCLSRI<br>EEGENLDCSFDMEAELTPLESAINVLEMIKTEFTLTEAVVESSRKLVEKAAVVICIKNKE<br>FEKASKILKKHMSKDPTTQKLRLNDLLNIIREKNLAHPVIQNFYSYETFQQKMLRFLESHL<br>DDAEPYLLTMAKKALKSESAASSTGKEDKQPAPGPVEKPPPREPARQLRNPPTTIGM<br>MTLKA AFKTLSGAQDSEAAFAKLDQKDLVLPTQALPASPALKNKRPRKDENESSAPA<br>DGE GGSELQPKNKRMTISRLVLEEDSQSTEPSAGLNSSQE AASAPPSKPTVLNQPL                                                |

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PGEKNPKVPKGKWNSSNGVEEKETWVEEDELQVQAAPDEDSTTNITKKQKWTVE  
ESEWVKAGVQKYGEGNWAASISKNYPFVNRTAVMIKDRWRTMKRLGMNTRTRPLEQ  
KLISEEDLAANDILDYKDDDDKV

**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** TERF2 telomeric repeat binding factor 2 [ Homo sapiens (human) ]

**Official Symbol** TERF2

**Synonyms** TERF2; telomeric repeat binding factor 2; TRBF2; telomeric repeat-binding factor 2; TRF2; telomeric DNA-binding protein; TTAGGG repeat-binding factor 2; telomeric repeat binding protein 2;

**Gene ID** 7014

**mRNA Refseq** NM\_005652

**Protein Refseq** NP\_005643

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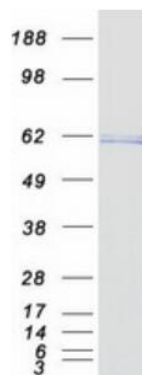
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MIM 602027

UniProt ID Q15554

SDS-PAGE



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