

## Recombinant Mouse Telo2 Protein, Myc/DDK-tagged

Cat. No. Telo2-6355M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length telomere maintenance 2 (Telo2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Regulator of the DNA damage response (DDR). Part of the TTT complex that is required to stabilize protein levels of the phosphatidylinositol 3-kinase-related protein kinase (PIKK) family proteins. The TTT complex is involved in the cellular resistance to DNA damage stresses, like ionizing radiation (IR), ultraviolet (UV) and mitomycin C (MMC). Together with the TTT complex and HSP90 may participate in the proper folding of newly synthesized PIKKs. Promotes assembly, stabilizes and maintains the activity of mTORC1 and mTORC2 complexes, which regulate cell growth and survival in response to nutrient and hormonal signals. May be involved in telomere length regulation.
<b>Molecular Mass</b>	93.8 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.

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**Concentration** >50 µg/mL as determined by microplate BCA method

**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** Telo2 telomere maintenance 2 [ *Mus musculus* (house mouse) ]

**Official Symbol** Telo2

**Synonyms** Telo2; telomere maintenance 2; Tel2; AI415602; mKIAA0683; 1200003M09Rik; telomere length regulation protein TEL2 homolog; TEL2, telomere maintenance 2, homolog

**Gene ID** 71718

**mRNA Refseq** NM\_001163661

**Protein Refseq** NP\_001157133

**UniProt ID** Q9DC40

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