

Recombinant Human TPT1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TPT1-4514H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TPT1 MS Standard C13 and N15-labeled recombinant protein (NP_003286) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a protein that is a regulator of cellular growth and proliferation. Its mRNA is highly structured and contains an oligopyrimidine tract (5'-TOP) in its 5' untranslated region that functions to repress its translation under quiescent conditions. The encoded protein is involved in a variety of cellular pathways, including apoptosis, protein synthesis and cell division. It binds to and stabilizes microtubules, and removal of this protein through phosphorylation is required for progression through mitotic and meiotic cell divisions. This gene is known to play a role in carcinogenesis, and is upregulated in some cancer cells. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	19.6 kDa
AA Sequence	MIIYRDLISHDEMFSDIYKIREIADGLCLEVEGKMVSRTEGNIDDSLIGGNASAEPEG EGTESTVITGVDIVMNHHLQETSFTKEAYKKYIKDYMKSIKGLKEEQRPERVKPFMTG AAEQIKHILANFKNYQFFIGENMNPDGMVALLDYREDGVTPYMIFFKDGLEMEKCTR TRPLEQKLISEEDLAANDILDYKDDDDKV

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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

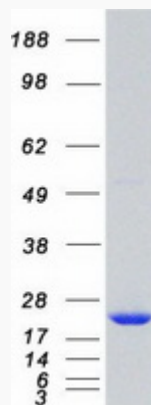
Gene Name	TPT1 tumor protein, translationally-controlled 1 [Homo sapiens (human)]
Official Symbol	TPT1
Synonyms	TPT1; tumor protein, translationally-controlled 1; translationally-controlled tumor protein; fortilin; TCTP; p23; histamine-releasing factor; HRF; p02; FLJ27337;
Gene ID	7178
mRNA Refseq	NM_003295
Protein Refseq	NP_003286
MIM	600763
UniProt ID	P13693

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SDS-PAGE



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