

Recombinant Full Length Human TPT1 Protein, C-Flag-tagged

Cat. No. TPT1-263HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TPT1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	19.4 kDa
AA Sequence	MMIYRDLISHDEMFSDIYKIREIADGLCLEVEGKMVSRTEGNIDDSLIGGNASAEGPEG EGTESTVITGV DIVMNHHLQETSFTKEAYKKYIKDYMKSIKGLKEEQRPERVKPFMT GAAEQIKHILANFKNYQFFIGENM NPDGMVALLDYREDGVTPYMIFFKDGLEMEKCTRTRPLEQKLISEEDLAANDILDYK

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	DDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	TPT1 tumor protein, translationally-controlled 1 [Homo sapiens (human)]
Official Symbol	TPT1
Synonyms	HRF; p02; p23; TCTP
Gene ID	7178
mRNA Refseq	NM_003295.4
Protein Refseq	NP_003286.1
MIM	600763

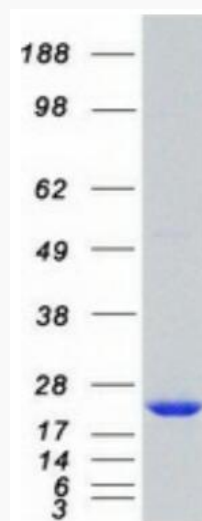
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UniProt ID

P13693



Coomassie blue staining of purified TPT1 protein.

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