

Product datasheet for **TP301664**

TCTP (TPT1) (NM_003295) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human tumor protein, translationally-controlled 1 (TPT1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201664 protein sequence Red =Cloning site Green =Tags(s)
	 MIIYRDLISHDEMFSDIYKIREIADGLCLEVEGKMVSRTEGNIDDSLIGGNASAEGPEGEGTESTVITGV DIVMNHHLQETSFTKEAYKKYIKDYMKSIKGLKLEEQRPVVKPFMTGAAEQIKHILANFKNYQFFIGENM NPDGMVALLDYREDGVTPYMIFFKDGLEMEKC TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	19.4 kDa
Concentration:	>0.1 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:	NP_003286
Locus ID:	7178
UniProt ID:	P13693
RefSeq Size:	4649



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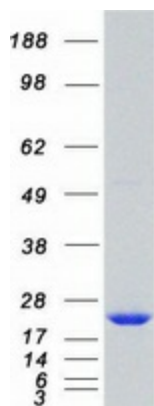
Cytogenetics: 13q14.13

RefSeq ORF: 516

Synonyms: HRF; p02; p23; TCTP

Summary: 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. [provided by RefSeq, Aug 2017]

Product images:



Coomassie blue staining of purified TPT1 protein (Cat# TP301664). The protein was produced from HEK293T cells transfected with TPT1 cDNA clone (Cat# [RC201664]) using MegaTran 2.0 (Cat# [TT210002]).