

Product datasheet for **AR09352PU-L**

TPT1 / TCTP (1-172, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	TPT1 / TCTP (1-172, His-tag) human recombinant protein, 0.5 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	<u>MRGSHHHHHH</u> <u>GMASMTGGQQ</u> <u>MGRDLYDDDD</u> <u>KDRWGSMMI</u> IYRDLISHDE MFSDIYKIRE IADGLCLEVE GKMVSRTEGN IDDSLIGGNA SAEGPEGEGT ESTVITGVDI VMNHHLQETS FTKEAYKKYI KDYMKSIK GK LEEQRPERVK PFMTGAAEQI KHILANFKNY QFFIGENMNP DGMVALLDYR EDGVTPYMIF FKDGLEMEKC
Tag:	His-tag
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.1 M NaCl
Preparation:	Liquid purified protein
Protein Description:	Recombinant TCTP protein, fused to His-tag, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	<u>NP_001273201</u>
Locus ID:	7178
UniProt ID:	<u>A0A0B4J2C3</u>
Cytogenetics:	13q14.13
Synonyms:	HRF; p02; p23; TCTP



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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: