

Product datasheet for **KN201664LP**

TCTP (TPT1) Human Gene Knockout Kit (CRISPR)

Product data:

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| Product Type: | Knockout Kits (CRISPR) |
| Format: | 2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control |
| Donor DNA: | Luciferase-Puro |
| Symbol: | TCTP |
| Locus ID: | 7178 |
| Components: | KN201664G1 , TCTP gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN201664G2 , TCTP gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN201664LPD , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. GE100003 , scramble sequence in pCas-Guide vector |
| Disclaimer: | These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process. |
| RefSeq: | NM_001286272 , NM_001286273 , NM_003295 |
| UniProt ID: | P13693 |
| 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] |



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Product images:

