

## Product datasheet for **TP306008M**

### TPRKB (NM\_016058) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human TP53RK binding protein (TPRKB), 100 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC206008 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MQLTHQLDLFPECRVTLFFFKDVKNAGDLRRKAMEGTIDGSLINPTVIVDPFQILVAANKAVHLYKLGKM  
KRTLSTEIIFNLSPNNNISEALKKFGISANDTSILIVYIEEGEKQINQEYLISQVEGHQVSLKNLPEIM  
NITEVKKIYKLSSQEEISIGTLLDAICRMSTKDVL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Tag:** C-Myc/DDK

**Predicted MW:** 19.5 kDa

**Concentration:** >0.05 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\\_057142](#)

**Locus ID:** 51002

**UniProt ID:** [Q9Y3C4](#)

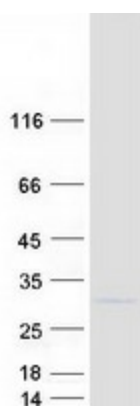
**RefSeq Size:** 752



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Cytogenetics:	2p13.1
RefSeq ORF:	525
Synonyms:	CGI-121; CGI121; GAMOS5
Summary:	Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t(6)A37) in tRNAs that read codons beginning with adenine (PubMed:22912744, PubMed:28805828). The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37 (PubMed:22912744, PubMed:28805828). TPRKB acts as an allosteric effector that regulates the t(6)A activity of the complex. TPRKB is not required for tRNA modification (PubMed:22912744, PubMed:28805828).[UniProtKB/Swiss-Prot Function]

### Product images:



Coomassie blue staining of purified TPRKB protein (Cat# [TP306008]). The protein was produced from HEK293T cells transfected with TPRKB cDNA clone (Cat# [RC206008]) using MegaTran 2.0 (Cat# [TT210002]).