

## Product datasheet for TP501518

### Tprkb (BC027162) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse Tp53rk binding protein (cDNA clone MGC:37089 IMAGE:4951567), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201518 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MQLSQQLDLFPECRVTLTLLFKDVKNAGDLRKKAMEGSIDGSLINPNVIVDPFQILVAANKAVHLHRLGKM KTRTLSTEIIFNLSPNNNISEALKKFGISETNTSVLIVYIEDGSKQVPQEHLVSQVEGQQVPLESLPEIT RLSEVKKIYKLSSQEERIGTLLDAIICRMSTKDVL
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-MYC/DDK
Predicted MW:	19.6 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Locus ID:	69786
UniProt ID:	<a href="#">Q8QZZ7</a>
RefSeq Size:	980
Cytogenetics:	6 C3



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RefSeq ORF: 525

Synonyms: Cgi-121, mDRWMS1, DRWMS1

**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. The complex is probably involved in the transfer of the threonylcarbamoyl moiety of threonylcarbamoyl-AMP (TC-AMP) to the N6 group of A37. TPRKB acts as an allosteric effector that regulates the t(6)A activity of the complex. TPRKB is not required for tRNA modification.[UniProtKB/Swiss-Prot Function]