

Recombinant Mouse Tprkb Protein, Myc/DDK-tagged

Cat. No. Tprkb-6610M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length Tp53rk binding protein (cDNA clone MGC:37089 IMAGE:4951567), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Component of the EKC/KEOPS complex that is required for the formation of a threonylcarbamoyl group on adenosine at position 37 (t6A37) 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 t6A activity of the complex. TPRKB is not required for tRNA modification.
Molecular Mass	19.6 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Tprkb Tp53rk binding protein [Mus musculus (house mouse)]

Official Symbol Tprkb

Synonyms Tprkb; Tp53rk binding protein; DRWM; DRWMS1; Cgi-121; mDRWMS1; 0610033G21Rik; 1810034M08Rik; EKC/KEOPS complex subunit Tprkb; PRPK-binding protein; Prpk (p53-related protein kinase)-binding protein; TP53RK-binding protein

Gene ID 69786

mRNA Refseq NM_176842

Protein Refseq NP_789812

UniProt ID Q8QZZ7

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