

# Recombinant Human TPRKB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TPRKB-4205H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	TPRKB MS Standard C13 and N15-labeled recombinant protein (NP_057142) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	19.7 kDa
<b>AA Sequence</b>	<p>                     MQLTHQLDLFPECRVTLFFFKDVKNAGDLRRKAMEGTIDGSLINPTVIVDPFQILVAA                      NKAHVHLYKLGKMKTRTLSTEIIFNLSPNNNISEALKKFGISANDTSILIVYIEEGEKQINQ                      EYLISQVEGHQVSLKNLPEIMNITEVKKIYKLSSQEESIGTLLDAICRMSTKDVLRTRR                      PLEQKLISEEDLAANDILDYKDDDDKV                 </p>
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** TPRKB TP53RK binding protein [ Homo sapiens (human) ]

**Official Symbol** TPRKB

**Synonyms** TPRKB; TP53RK binding protein; TP53RK-binding protein; CGI 121; PRPK-binding protein; PRPK (p53-related protein kinase)-binding protein; CGI-121;

**Gene ID** 51002

**mRNA Refseq** NM\_016058

**Protein Refseq** NP\_057142

**MIM** 608680

**UniProt ID** Q9Y3C4

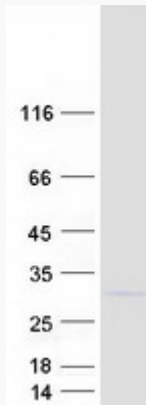
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SDS-PAGE



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