

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

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

SPECIFICATION

Product Overview	TPRKB MS Standard C13 and N15-labeled recombinant protein (NP_057142) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	19.7 kDa
AA Sequence	MQLTHQLDLFPECRVTLFFFKDVKNAGDLRRKAMEGTIDGSLINPTVIVDPFQILVAA NKAHVHLYKLGKMKTRTLSTEIIFNLSPNNNISEALKKFGISANDTSILIVYIEEGEKQINQ EYLISQVEGHQVSLKNLPEIMNITEVKKIYKLSSQEE SIGTLLDAICRMSTKDVLTTRTR PLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	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

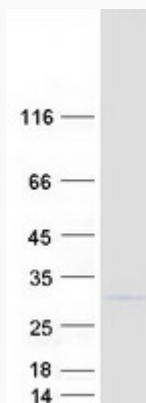
MIM 608680

UniProt ID Q9Y3C4

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SDS-PAGE

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