

Product datasheet for PH306008

TPRKB (NM_016058) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TPRKB MS Standard C13 and N15-labeled recombinant protein (NP_057142)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC206008
Predicted MW:	19.7 kDa
Protein Sequence:	>RC206008 protein sequence Red=Cloning site Green=Tags(s) MQLTHQLDLFPECRVTLTLFKDVKNAGDLRRKAMEGTIDGSLINPTVIVDPFQILVAANKAVHLYKLGKM KTRTLSTEIIFNLSPNNNISEALKKFGISANDTSILIVYIEEGEKQINQEY LISQVEGHQVSLKNLPEIM NITEVKKIYKLSSEQEESIGTLLDAIICRMSTKDVL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_057142
RefSeq Size:	752
RefSeq ORF:	525
Synonyms:	CGI-121; CGI121; GAMOS5
Locus ID:	51002
UniProt ID:	Q9Y3C4

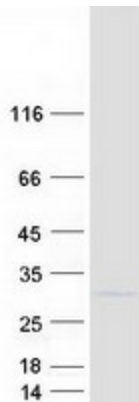


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Cytogenetics: 2p13.1

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]).