Datasheet for ABIN7544709

TPRKB Protein (AA 1-175) (His tag)

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Overview

Quantity:	1 mg
Target:	TPRKB
Protein Characteristics:	AA 1-175
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TPRKB protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat TPRKB Protein expressed in mammalien cells.
Sequence:	MQLTHQLDLF PECRVTLLLF KDVKNAGDLR RKAMEGTIDG SLINPTVIVD PFQILVAANK AVHLYKLGKM KTRTLSTEII FNLSPNNNIS EALKKFGISA NDTSILIVYI EEGEKQINQE YLISQVEGHQ VSLKNLPEIM NITEVKKIYK LSSQEESIGT LLDAIICRMS TKDVL **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.

Product Details

	• State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	TPRKB
Alternative Name:	TPRKB (TPRKB Products)
Background:	EKC/KEOPS complex subunit TPRKB (PRPK-binding protein) (TP53RK-binding protein),FUNCTION: 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). {ECO:0000269|PubMed:28805828, ECO:0000305|PubMed:22912744}.
Molecular Weight:	19.7 kDa
UniProt:	Q9Y3C4

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months