TP53RK-Binding Protein (TPRKB) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	TP53RK-binding protein (TPRKB), Recombinant Protein
Full Product Name	Recombinant Human TP53RK-binding protein (TPRKB)
Product Gene Name	TPRKB recombinant protein
Product Synonym Gene Name	TPRKB
Sequence	MQLTHQLDLF PECRVTLLLF KDVKNAGDLR RKAMEGTIDG SLINPTVIVD PFQILVAANK AVHLYKLGKM KTRTLSTEII FNLSPNNNIS EALKKFGISA NDTSILIVYI EEGEKQINQE YLISQVEGHQ VSLKNLPEIM NITEVKKIYK LSSQEESIGT LLDAIICRMS TKDVL
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	23,854 Da
Sequence Positions	1-175, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
OMIM	608680
3D Structure	ModBase 3D Structure for Q9Y3C4
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TPRKB recombinant protein	MBS1286967 is a recombinant protein targeting TPRKB. Also known as Recombinant Human TP53RK-binding protein (TPRKB). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TPRKB recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TPRKB. It may not necessarily be applicable to this product.

NCBI GI #	1060099233
NCBI GeneID	51002
NCBI Accession #	NP_001317315.1
UniProt Primary Accession #	Q9Y3C4
UniProt Secondary Accession #	Q8IWR6; Q8IWR7; Q9H3K4; D6W5H6

UniProt Related Accession #	Q9Y3C4
GenBank Nucleotide #	NM_001330386.1
NCBI Official Full Name	EKC/KEOPS complex subunit TPRKB isoform a
NCBI Official Synonym Full Names	TP53RK binding protein
NCBI Official Symbol	TPRKB
NCBI Official Synonym Symbols	CGI121; GAMOS5; CGI-121
UniProt Protein Name	EKC/KEOPS complex subunit TPRKB
UniProt Synonym Protein Names	PRPK-binding protein; TP53RK-binding protein
Protein Family	EKC/KEOPS complex
UniProt Gene Name	TPRKB
NCBI Protein Information	EKC/KEOPS complex subunit TPRKB
UniProt Comments for TPRKB	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 ().
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