

Datasheet for ABIN7550941
TP53RK Protein (AA 1-253) (His tag)



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Overview

Quantity:	1 mg
Target:	TP53RK
Protein Characteristics:	AA 1-253
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TP53RK protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat TP53RK Protein expressed in mammalien cells.
Sequence:	MAAARATTPA DGEEPAPAE ALAAARERSS RFLSGLLELVK QGAEARVFRG RFQGRAAVIK HRFPKGYRHP ALEARLGRRR TVQEARALLR CRRAGISAPV VFFVDYASNC LYMEEIEGSV TVRDYIQSTM ETEKTPQGLS NLAKTIGQVL ARMHDEDLIH GDLTTSNMLL KPPLEQLNIV LIDFGLSFIS ALPEDKGVDL YVLEKAFLST HPNTETVFEA FLKSYSTSSK KARPVLKKLD EVRLRGRKRS MVG 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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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

Product Details

transmembrane proteins.

- 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: TP53RK

Alternative Name: TP53RK ([TP53RK Products](#))

Background: EKC/KEOPS complex subunit TP53RK (EC 3.6.-.-) (Atypical serine/threonine protein kinase TP53RK) (Nori-2) (TP53-regulating kinase) (EC 2.7.11.1) (p53-related protein kinase),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:27903914). 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:27903914). TP53RK has ATPase activity in the context of the EKC/KEOPS complex and likely plays a supporting role to the catalytic subunit OSGEP (By similarity). Atypical protein kinase that phosphorylates 'Ser-15' of p53/TP53 protein and may therefore participate in its activation (PubMed:11546806).
{ECO:0000250|UniProtKB:P53323, ECO:0000250|UniProtKB:Q9UYB9, ECO:0000269|PubMed:11546806, ECO:0000305|PubMed:22912744, ECO:0000305|PubMed:27903914}.

Molecular Weight: 28.2 kDa

UniProt: [Q96S44](#)

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.

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
