

Datasheet for ABIN7548945

RPS6KB2 Protein (AA 1-482) (His tag)



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Overview

Quantity:	1 mg
Target:	RPS6KB2
Protein Characteristics:	AA 1-482
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPS6KB2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat RPS6KB2 Protein expressed in mammalian cells.
Sequence:	<p>MAAVFDLDLE TEEGSEGE GE PELSPADACP LAELRAAGLE PVGHYEEVEL TETSVNVGPE RIGPHCFELL RVLGKGGYGK VFQVRKVQGT NLGKIYAMKV LRKAKIVRNA KDTAHTRAER NILESVKHPF IVELAYAFQT GGKLYLILEC LSGGELFTHL EREGIFLED TACFYLAETL ALGHLHSQGI IYRDLKPENI MLSSQGH IKL TDFGLCKESI HEGAVTHTFC GTIEYMAPEI LVRSGHNRAV DWWSLGALMY DMLTGSP PFT AENRKKTMDK IIRGKLALPP YLTPDARDLV KKFLKRNP SQ RIGGGPGDAA DVQRHPFFRH MNWDDLLAWR VDPPFRPCLQ SEEDVSQFDT RFTRQTPVDS PDDTALSESA NQAFLGFTYV APSVLDSIKE GFSFQPKLRS PRRLNSSPRA PVSP LKFSPF EGFRPSPSLP EPTELPLPPL LPPPPSTTA PLPIRPPSGT KSKRGRGR GR</p> <p>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.</p>

Product Details

Characteristics:	<div>Key Benefits:</div> <ul style="list-style-type: none">• Made to order protein - from design to production - by highly experienced protein experts.• Protein expressed in mammalian cells and purified in one-step affinity chromatography• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.• State-of-the-art algorithm used for plasmid design (Gene synthesis). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
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Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	RPS6KB2
Alternative Name:	RPS6KB2 (RPS6KB2 Products)
Background:	<p>Ribosomal protein S6 kinase beta-2 (S6K-beta-2) (S6K2) (EC 2.7.11.1) (70 kDa ribosomal protein S6 kinase 2) (P70S6K2) (p70-S6K 2) (S6 kinase-related kinase) (SRK) (Serine/threonine-protein kinase 14B) (p70 ribosomal S6 kinase beta) (S6K-beta) (p70 S6 kinase beta) (p70 S6K-beta) (p70 S6KB) (p70-beta),FUNCTION: Phosphorylates specifically ribosomal protein S6 (PubMed:29750193). Seems to act downstream of mTOR signaling in response to growth factors and nutrients to promote cell proliferation, cell growth and cell cycle progression in an alternative pathway regulated by MEAK7 (PubMed:29750193).</p> <p>{ECO:0000269 PubMed:29750193}.</p>
Molecular Weight:	53.5 kDa
UniProt:	Q9UBS0
Pathways:	PI3K-Akt Signaling , RTK Signaling , AMPK Signaling , Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway

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.
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Restrictions:	For Research Use only
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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