

Datasheet for ABIN7565223

RPS6KA2 Protein (AA 1-733) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	RPS6KA2
Protein Characteristics:	AA 1-733
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPS6KA2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Rps6ka2 Protein expressed in mammalien cells.
Sequence:	<p>MELSMKKFTV RFFSVYLRK KSRKSSSLs RLEEEGIVKE IDISNHVKEG FEKADPSQFE</p> <p>LLKVLGQGSY GKVFLVRKVT GSDAGQLYAM KVLKKATLKV RDRVRSKMER DILAEVNHPF</p> <p>IVKLHYAFQT EGKLYLILDF LRGGDLFTRL SKEVMFTEED VKFYLAELAL ALDHLHGLGI</p> <p>IYRDLKPENI LLDEEGHIKI TDFGLSKEAT DHDKRAYSFC GTIEYMAPEV VNRRGHTQSA</p> <p>DWWSFGVLMF EMLTGSLPFQ GKDRKETMAL ILKAKLGMPQ FLSAEQSL LALFKRNP CN</p> <p>RLGAGVDGVE EIKRHPFFVT IDWNKLYRKE IKPPFKPAVG RPEDTFHFDP EFTARTPTDS</p> <p>PGVPPSANAH HLFGRGFSFVA SSLVQEPSQQ DVPKAPIHPI VQQLHGNNIH FTDGYEIKED</p> <p>IGVGSYSVCK RCVHKATDAE YAVKIIDKSK RDPSEEIEIL LRYGQHPNII TLKDVYDDGK</p> <p>YVYLMELMR GGELLDRI LRQCFSEREAS DVLYTIARTM DYLSHQGVVH RDLKPSNII Y</p> <p>MDESGNPESI RICDFGFAKQ LRAENGLLMT PCYTANFVAP EVLKRQGYDA ACDVWSLGIL</p> <p>LYTMLAGFTP FANGPDDTPE EILARIGSGK YALSGGNWDS ISDAAKDVVS KMLHVDPPQR</p>

Product Details

LTAVQVLKHP WIVNREYLSQ NQLSRQDVHL VKGAMAATYF ALNRTQPAPR LEPVLSSSLA
QRRGMKRLTS TRL **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 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>
------------------	---

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
---------	---

Grade:	custom-made
--------	-------------

Target Details

Target:	RPS6KA2
Alternative Name:	Rps6ka2 (RPS6KA2 Products)
Background:	<p>Ribosomal protein S6 kinase alpha-2 (S6K-alpha-2) (EC 2.7.11.1) (90 kDa ribosomal protein S6 kinase 2) (p90-RSK 2) (p90RSK2) (MAP kinase-activated protein kinase 1c) (MAPK-activated protein kinase 1c) (MAPKAP kinase 1c) (MAPKAPK-1c) (Protein-tyrosine kinase Mpk-9) (Ribosomal S6 kinase 3) (RSK-3) (pp90RSK3),FUNCTION: Serine/threonine-protein kinase that acts downstream of ERK (MAPK1/ERK2 and MAPK3/ERK1) signaling and mediates mitogenic and stress-induced activation of transcription factors, regulates translation, and mediates cellular proliferation, survival, and differentiation. May function as tumor suppressor in epithelial ovarian cancer cells (By similarity). {ECO:0000250}.</p>
Molecular Weight:	83.2 kDa

Target Details

UniProt:	Q9WUT3
Pathways:	MAPK Signaling , Neurotrophin Signaling Pathway , Regulation of Systemic Arterial Blood Pressure by Hormones , Activation of Innate immune Response , Toll-Like Receptors Cascades

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