

Datasheet for ABIN7554394 RPS6KA3 Protein (AA 1-740) (His tag)



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Quantity:	1 mg
Target:	RPS6KA3
Protein Characteristics:	AA 1-740
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPS6KA3 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat RPS6KA3 Protein expressed in mammalien cells.
Sequence:	MPLAQLADPW QKMAVESPSD SAENGQQIMD EPMGEEEINP QTEEVSIKEI AITHHVKEGH
	EKADPSQFEL LKVLGQGSFG KVFLVKKISG SDARQLYAMK VLKKATLKVR DRVRTKMERD
	ILVEVNHPFI VKLHYAFQTE GKLYLILDFL RGGDLFTRLS KEVMFTEEDV KFYLAELALA
	LDHLHSLGII YRDLKPENIL LDEEGHIKLT DFGLSKESID HEKKAYSFCG TVEYMAPEVV
	NRRGHTQSAD WWSFGVLMFE MLTGTLPFQG KDRKETMTMI LKAKLGMPQF LSPEAQSLLR
	MLFKRNPANR LGAGPDGVEE IKRHSFFSTI DWNKLYRREI HPPFKPATGR PEDTFYFDPE
	FTAKTPKDSP GIPPSANAHQ LFRGFSFVAI TSDDESQAMQ TVGVHSIVQQ LHRNSIQFTD
	GYEVKEDIGV GSYSVCKRCI HKATNMEFAV KIIDKSKRDP TEEIEILLRY GQHPNIITLK
	DVYDDGKYVY VVTELMKGGE LLDKILRQKF FSEREASAVL FTITKTVEYL HAQGVVHRDL
	KPSNILYVDE SGNPESIRIC DFGFAKQLRA ENGLLMTPCY TANFVAPEVL KRQGYDAACD
	IWSLGVLLYT MLTGYTPFAN GPDDTPEEIL ARIGSGKFSL SGGYWNSVSD TAKDLVSKML

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	HVDPHQRLTA ALVLRHPWIV HWDQLPQYQL NRQDAPHLVK GAMAATYSAL NRNQSPVLEP	
	VGRSTLAQRR GIKKITSTAL 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. 	
	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:	RPS6KA3
Alternative Name:	RPS6KA3 (RPS6KA3 Products)
Background:	Ribosomal protein S6 kinase alpha-3 (S6K-alpha-3) (EC 2.7.11.1) (90 kDa ribosomal protein S6
	kinase 3) (p90-RSK 3) (p90RSK3) (Insulin-stimulated protein kinase 1) (ISPK-1) (MAP kinase-
	activated protein kinase 1b) (MAPK-activated protein kinase 1b) (MAPKAP kinase 1b)
	(MAPKAPK-1b) (Ribosomal S6 kinase 2) (RSK-2) (pp90RSK2),FUNCTION: Serine/threonine-
	protein kinase that acts downstream of ERK (MAPK1/ERK2 and MAPK3/ERK1) signaling and
	mediates mitogenic and stress-induced activation of the transcription factors CREB1,
	ETV1/ER81 and NR4A1/NUR77, regulates translation through RPS6 and EIF4B
	phosphorylation, and mediates cellular proliferation, survival, and differentiation by modulating
	mTOR signaling and repressing pro-apoptotic function of BAD and DAPK1 (PubMed:9770464,

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Target Details		
Molecular Weight:	83.7 kDa	
UniProt:	P51812	
Pathways:	MAPK Signaling, Neurotrophin Signaling Pathway, 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	