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Datasheet for ABIN7317116 RPS6KA6 Protein (GST tag)

Image



Overview

Quantity:	50 µg
Target:	RPS6KA6
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPS6KA6 protein is labelled with GST tag.

Product Details

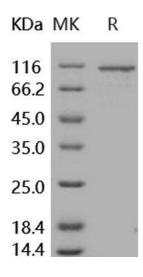
Purpose:	Recombinant Human RSK4/RPS6KA6 Protein (GST Tag)	
Sequence:	Met 1-Leu 745	
Characteristics:	A DNA sequence encoding the full length of human RSK4 (NP_055311.1) (Met 1-Leu 745) was fused with the GST tag at the N-terminus.	
Purity:	> 85 % as determined by reducing SDS-PAGE.	
Endotoxin Level:	< 1.0 EU per μ g as determined by the LAL method.	

Target Details

Target:	RPS6KA6	
Alternative Name:	RSK4/RPS6KA6 (RPS6KA6 Products)	
Background:	Background: Ribosomal protein S6 kinase alpha-6, also known as Ribosomal S6 kinase 4, 90 kDa ribosomal protein S6 kinase 6,RSK-4, RSK4 and RPS6KA6, is a protein which belongs to	
	the protein kinase superfamily, AGC Ser/Thr protein kinase family and S6 kinase subfamily.	

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	RPS6KA6 contains one AGC-kinase C-terminal domain and two protein kinase domains. RPS6KA6 forms a complex with either ERK1 or ERK2 in quiescent cells. RPS6KA6 shows a high level of homology to three isolated members of the human RSK family. RSK2 is involved in Coffin-Lowry syndrome and nonspecific MRX. The localization of RPS6KA6 in the interval that is commonly deleted in mentally retarded males together with the high degree of amino acid	
	identity with RSK2 suggests that RPS6KA6 plays a role in normal neuronal development. Further mutation analyses in males with X-linked mental retardation must prove that the gene	
	of RPS6KA6 is indeed a novel MRX gene. RPS6KA6 is a serine/threonine kinase that may play a	
	role in mediating the growth-factor and stress induced activation of the transcription factor	
	CREB. RPS6KA6 is activated by multiple phosphorylations on threonine and serine residues. Synonym: PP90RSK4;RSK4	
Molecular Weight:	110 kDa	
NCBI Accession:	NP_055311	
Pathways:	MAPK Signaling	
Application Details		
Restrictions:	For Research Use only	
Handling		
Format:	Frozen, Liquid	
Buffer:	Supplied as sterile 50 mM Tris, 100 mM NaCl, 0.5 mM Reduced Glutathione, 10 % glycerol, 0.5 mM PMSF, 0.5 mM EDTA, pH 8.0	
Storage:	-20 °C	
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.	



Western	B	lotting
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Image 1.

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