

Datasheet for ABIN7586028

RPS6KB1 Protein (AA 1-525) (His tag)[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	RPS6KB1
Protein Characteristics:	AA 1-525
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPS6KB1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	<p>MRRRRRRRDGF YPAPDFRHRE AEDMAGVFDI DLDQPEDAGS EDELEEGGQL NESMDHGGVG PYELGMEHCE KFEISETSVN RGPEKIRPEC FELLRLVGKG GYGKVFQVRK VTGANTGKIF AMKVLKKAMI VRNAKDTAHT KAERNILEEV KHPFIVDLIY AFQTGGKLYL ILEYLSGGEL FMQLEREGIF MEDTACFYLA EISMALGHLH QKGIIYRDLK PENIMLNHQG HVKLTDGFLC KESIHDGTVT HTFCGTIEYM APEILMRSGH NRAVDWWSLG ALMYDMLTGA PPFTGENRKK TIDKILKCKL NLPPYLTQEA RDLLKLLKR NAASRLGAGP GDAGEVQAHP FFRHINWHEEL LARKVEPPFK PLLQSEEDVS QFDSKFTRQT PVDSPDDSTL SESANQVFLG FTYVAPSVLE SVKEKFSFEP KIRSPRRFIG SPRTPVSPVK FSPGDFWGRG ASASTANPQT PVEYPMETSG IEQMDVTTSG EASAPLPIRQ PNSGPYKKQA FPMISKRPEH LRMNL</p>
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity: > 90 %

Target Details

Target: RPS6KB1

Alternative Name: Ribosomal protein S6 kinase beta-1 (Rps6kb1) ([RPS6KB1 Products](#))

Background: Recommended name: Ribosomal protein S6 kinase beta-1.
Short name= S6K-beta-1.
Short name= S6K1.
EC= 2.7.11.1.
Alternative name(s): 70 kDa ribosomal protein S6 kinase 1.
Short name= P70S6K1.
Short name= p70-S6K 1 Ribosomal protein S6 kinase I p70 ribosomal S6 kinase alpha.
Short name= p70 S6 kinase alpha.
Short name= p70 S6K-alpha.
Short name= p70 S6KA

UniProt: [P67999](#)

Pathways: [PI3K-Akt Signaling](#), [RTK Signaling](#), [AMPK Signaling](#), [Regulation of Cell Size](#), [Skeletal Muscle Fiber Development](#), [Feeding Behaviour](#), [G-protein mediated Events](#), [Smooth Muscle Cell Migration](#), [Interaction of EGFR with phospholipase C-gamma](#), [Warburg Effect](#)

Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.