

Datasheet for ABIN6388171

RPS6KB1 Protein (AA 1-525) (His tag)



[Go to Product page](#)

1 Image

Overview

Quantity:	50 µg
Target:	RPS6KB1
Protein Characteristics:	AA 1-525
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RPS6KB1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MRRRRRRRDGF YPAPDFRDRE 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 SPRTVPSPVK FSPGDFWGRG ASASTANPQT PVEYPMETSG IEQMDVTMSG EASAPLPIRQ PNSGPYKKQA FPMISKRPEH LRMNL
Purity:	> 85% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)

Target Details

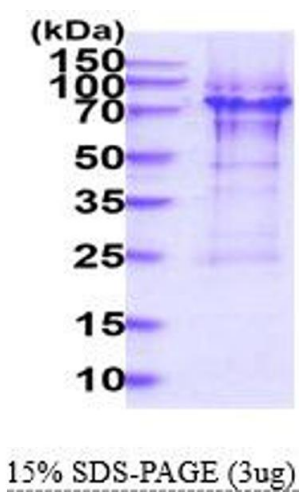
Target:	RPS6KB1
Alternative Name:	S6K1/RPS6KB1 (RPS6KB1 Products)
Background:	RPS6KB1, also known as ribosomal protein S6 kinase beta-1 isoform a, is a serine/threonine kinase that acts downstream of PIP3 and phosphoinositide-dependent kinase-1 in the PI3 kinase pathway. Phosphorylation of S6 induces protein synthesis at the ribosome. The phosphorylation of p70S6K at threonine 389 has been used as a hallmark of activation by mTOR and correlated with autophagy inhibition in various situations. However, several recent studies suggest that the activity of p70S6K plays a more positive role in the increase of autophagy. Recombinant human RPS6KB1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	60.2 kDa (533aa)
NCBI Accession:	NP_003152
UniProt:	P23443
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

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	Liquid. In 50 mM Tris-HCl (pH 7.5) containing 30 % glycerol, 0.5M NaCl, 2 mM DTT, 0.1 mM PMSF
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.