



# Recombinant Rat Ribosomal protein S6 kinase alpha-1 (Rps6ka1)

<b>Product Code</b>	CSB-EP730906RA-B
<b>Abbreviation</b>	Rps6ka1
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q63531
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MPLAQLKEPW PLMELVPLDP ENGQASGEEA GLQPSKDEGI LKEISITHHV KAGSEKADPS HFELLKVLGQ GSFGKVFLVR KVTRPDNGHL YAMKVLKKAT LKVRDRVRTK MERDILADVN HPFVVKLHYA FQTEGKLYLI LDFLRGGDLF TRLSKEVMFT EEDVKFYLAE LALGLDHLHS LGIIRDLKP ENILLDEEGH IKLTDGFLSK EADHEKKAY SFCGTVEYMA PEVVNRQGHT HSADWWSYGV LMFEMLTGSL PFQGKDRKET MTLILKAKLG MPQFLSTEAQ SLLRALFKRN PANRLGSGPD GAEEIKRHIF YSTIDWNKLY RREIKPPFKP AVAQPDFTFY FDTEFTSRTP RDSPGIPPSA GAHQLFRGFS FVATGLMEDD SKPRATQAPL HSVVQQLHGK NLVFSDDGYIV KETIGVGSYS VCKRCVHKAT NMEYAVKVID KSKRDPSEEI EILLRYGQHP NIITLKDVYD DSKHVYLVTE LMRGGELLDK ILRQKFFSER EASFVLYTIS KTVEYLHSQG VVHRDLKPSN ILYVDESGNP ECLRICDFGF AKQLRAENGL LMTPCYTANF VAPEVLKRQG YDEGCDIWSL GVLLYTMLAG YTPFANGPSD TPEEILTRIS SGKFTLSGGN WNTVSETAKD LVSKMLHVDP HQRLTAKQVL QHPWITQKDK LPQSQLSHQD LQLVKGGMAA TYSALSSSKP TPQLKPIESS ILAQRVRVRL PSTTL
<b>Source</b>	E.coli
<b>Target Names</b>	Rps6ka1
<b>Protein Names</b>	Recommended name: Ribosomal protein S6 kinase alpha-1 Short name= S6K-alpha-1 EC= 2.7.11.1 Alternative name(s): 90 kDa ribosomal protein S6 kinase 1 Short name= p90-RSK 1 Short name= p90RSK1 Short name= p90S6K
<b>Expression Region</b>	1-735
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic



domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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