



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

Product Code	CSB-BP730906RA
Abbreviation	Rps6ka1
Storage	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.
Uniprot No.	Q63531
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	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 NIITLKDVID 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
Source	Baculovirus
Target Names	Rps6ka1
Protein Names	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
Expression Region	1-735
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	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.

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.

Shelf Life

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.