



# Recombinant Mouse Ribosomal protein S6 kinase alpha-2 (Rps6ka2)

<b>Product Code</b>	CSB-EP896249MO-B
<b>Abbreviation</b>	Rps6ka2
<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>	Q9WUT3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MELSMKKFTV RRFSSVYLRK KSRSKSSSL S RLEEEGIVKE IDISNHVKEG FEKADPSQFE LLKVLGQGSY GKVFLVRKVT GSDAGQLYAM KVLKKATLKV RDRVRSKMER DILAEVNHPF IVKLHYAFQT EGKLYLILDF LRGGDLFTRL SKEVMFTEED VKFYLAELAL ALDHLHGLGI IYRDLKPENI LLDEEGHIKI TDFGLSKEAT DHDKRAYSFC GTIEYMAPEV VNRRGHTQSA DWWSFGVLMF EMLTGSLPFQ GKDRKETMAL ILKAKLGMPQ FLSAEQSL RALFKRNPCN RLGAGVDGVE EIKRHPFFVT IDWNKLYRKE IKPPFKPAVG RPEDTFHFDP EFTARTPTDS PGVPPSANAH HLFRGFSFVA SSLVQEPSQQ DVPKAPIHPI VQQLHGNNIH FTDGYEIKED IGVGSYSVCK RCVHKATDAE YAVKIIDKSK RDPSEEIEIL LRYGQHPNII TLKDVYDDGK YVYLVMELMR GGELLDRI LR QRCFSEREAS DVLYTIARTM DYLSHQGVVH RDLKPSNILE MDESGNPESI RICDFGFAKQ LRAENGLLMT PCYTANFVAP EVLKRQGYDA ACDVWSLGIL LYTMLAGFTP FANGPDDTPE EILARIGSGK YALSGGNWDS ISDAAKDVVS KMLHVDPQQR LTAVQVLKHP WIVNREYLSQ NQLSRQDVHL VKGAMAATYF ALNRTPQAPR LEPVLSSSLA QRRGMKRLTS TRL
<b>Source</b>	E.coli
<b>Target Names</b>	Rps6ka2
<b>Protein Names</b>	Recommended name: Ribosomal protein S6 kinase alpha-2 Short name= S6K-alpha-2 EC= 2.7.11.1 Alternative name(s): 90 kDa ribosomal protein S6 kinase 2 Short name= p90-RSK 2 Short name= p90RSK2 MAP kinase-activated pro
<b>Expression Region</b>	1-733
<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 non-identical 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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