



# Recombinant Mouse Ribosomal protein S6 kinase alpha-3 (Rps6ka3)

<b>Product Code</b>	CSB-EP020466MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P18654
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MPLAQLADPW QKMAVESPSD SAENGQQIMD EPMGEEEEINP QTEEGSIKEI AITHHVKEGH EKADPSQFEL LKVLGQGSFG KVFLVKKISG SDARQLYAMK VLKKATLKVR DRVRTKMERD ILVEVNHPFI VKLHYAFQTE GKLYLILDFL RGGDLFTRLS KEVMFTEEDV KFYLAELALA LDHLHSLGII YRDLKPENIL LDEEGHIKLT DFGLSKESID HEKKAYSFCG TVEYMAPEVV NRRGHTQSAD WWSFGVLMFE MLTGTLPFQG KDRKETMTMI LKAKLGMPQF LSPEAQSLLR MLFKRNPANR LGAGPDGVEE IKRHSFFSTI DWNKLYRREI HPPFKPATGR PEDTFYFDPE FTAKTPKDSP GIPPSANAHQ LFRGFSFVAI TSDDDESQAMQ TVGVHSIVQQ LHRNSIQFTD GYEVKEDIGV GSYSVCKRCI HKATNMEFAV KIIDKSKRDP TEEIEILLRY GQHPNIITLK DVYDDGKYVY VVTELMKGGE LLDKILRQKF FSEREASAVL FTITKTVEYL HAQGVVHRDL KPSNILYVDE SGNPESIRIC DFGFAKQLRA ENGLLMTPCY TANFVAPEVL KRQGYDAACD IWSLGVLLYT MLTGYPFAN GPDDTPEEIL ARIGSGKFSL SGGYWNSVSD TAKDLVSKML HVDPHQRLTA ALVLRHPWIV HWDQLPQYQL NRQDAPHLVK GAMAATYSAL NRNQSPVLEP VGRSTLAQRR GIKKITSTAL
<b>Source</b>	E.coli
<b>Target Names</b>	Rps6ka3
<b>Protein Names</b>	Recommended name: Ribosomal protein S6 kinase alpha-3 Short name= S6K-alpha-3 EC= 2.7.11.1 Alternative name(s): 90 kDa ribosomal protein S6 kinase 3 Short name= p90-RSK 3 Short name= p90RSK3 MAP kinase-activated pro
<b>Expression Region</b>	1-740
<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. Mutations in this gene have been associated with Coffin-Lowry syndrome (CLS).



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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**

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.