



# Recombinant Human Ribosomal protein S6 kinase alpha-4 (RPS6KA4)

<b>Product Code</b>	CSB-MP020467HU
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O75676
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	MGDEDDDESC AVELRITEAN LTGHEEKVSV ENFELLKVLG TGAYGKVFLV RKAGGHADAGK LYAMKVLKKA ALVQRAKTQE HTRTERSULE LVRQAPFLVT LHYAFQTDAL LHLILDYVSG GEMFTHLYQR QYFKEAEVRV YGGEIVLAL HLHKLGIYR DLKLENVLLD SEGHIVLTFD GLSKEFLTEE KERTFSFCGT IEYMAPEIIR SKTGHGKAVD WWSLGILLFE LLTGASPFTL EGERNTQAEV SRRILKCSPP FPPRIGPVAQ DLLQRLLCKD PKKRLGAGPQ GAQEVNRNHPF FQGLDWVALA ARKIPAPFRP QIRSELDVGN FAEFTRLEP VYSPPGSPPP GDPRIFQGY S FVAPSILFDH NNAVMTDGL APGAGDRPGR AAVARSAMMQ DSPFFQQYEL DLREPALGQG SFSVCRRCRQ RQSGQEFVAVK ILSRRLEANT QREVAALRLC QSHPNVNLH EVHHDQLHTY LVLELLRGGE LLEHIRKKRH FSESEASQIL RSLVSAVSFM HEEAGVVHRD LKPENILYAD DTPGAPVKII DFGFARLRPQ SPGVPMQTPC FTLQYAAPEL LAQQGYDESC DLWVSLGVILY MMLSGQVPFQ GASGQGGQSQ AAEIMCKIRE GRFSLDGEAW QGVSEEAKEL VRGLLTVDPK KRLKLEGLRG SSWLQDGSAR SSPPLRTPDV LESSGPAVRS GLNATFMAFN RGKREGFFLK SVENAPLAKR RKQKLRSA SRRGSPAPAN PGRAPVASKG APRRANGPLP PS
<b>Source</b>	Mammalian cell
<b>Target Names</b>	RPS6KA4
<b>Protein Names</b>	Recommended name: Ribosomal protein S6 kinase alpha-4 Short name= S6K-alpha-4 EC= 2.7.11.1 Alternative name(s): 90 kDa ribosomal protein S6 kinase 4 Nuclear mitogen- and stress-activated protein kinase 2 Ribosomal protein kin
<b>Expression Region</b>	1-772
<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 CREB1 and c-fos. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly 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**

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.