



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

<b>Product Code</b>	CSB-EP020467HU-B
<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>	<p>MGDEDDDESC AVELRITEAN LTGHEEKVSV ENFELLKVLG TGAYGKVFLV            RKAGGHADAGK LYAMKVLKKA ALVQRAKTQE HTRTERSULE LVRQAPFLVT            LHAFQTDAL 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 VRGLLTVDPA KRLKLEGLRG SSWLQDGSAR SSPPLRTPDV            LESSGPAVRS GLNATFMAFN RGKREGFFLK SVENAPLAKR RKQKLRSA            SRRGSPAPAN PGRAPVASKG APRRANGPLP PS</p>
<b>Source</b>	E.coli
<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.