

Recombinant Mouse Ribosomal Protein S6 Kinase, Polypeptide 4, GST-tagged

Cat. No. Rps6ka4-1062M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length mouse Rps6ka4 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Mouse
Source	Sf9 Cells
Description	Rps6ka4 or mitogen- and stress-activated protein kinase-2 is a member of the serine/threonine kinases family that contains 2 non-identical kinase catalytic domains and phosphorylates various substrates, including CREB1 and c-fos. Rps6ka4 is also known as ribosomal protein S6 kinase 4 (RPS6KA4) that are activated by the mitogen-activated protein kinases ERK1, ERK2, and p38.
Applications	Kinase Assay; Western Blot
Molecular Weight	114 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.
Purity	> 95%

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Specific Activity	9 nmol/min/mg
Concentration	0.1 ug/ul
Sequences	full-length
Storage	Store product at -70oC. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	Rps6ka4 ribosomal protein S6 kinase, polypeptide 4 [Mus musculus]
Official Symbol	Rps6ka4
Synonyms	Rps6ka4; ribosomal protein S6 kinase, polypeptide 4; Msk2; 90kDa; mMSK2; AI848992; 1110069D02Rik; ribosomal protein S6 kinase alpha-4; RLSK; S6K-alpha-4; RSK-like protein kinase; 90 kDa ribosomal protein S6 kinase 4; mitogen- and stress-activated protein kinase-2; ribosomal protein S6 kinase, 90kD, polypeptide 4; nuclear mitogen- and stress-activated protein kinase 2; EC 2.7.11
Gene ID	56613
mRNA Refseq	NM_019924
Protein Refseq	NP_064308
UniProt ID	Q9Z2B9
Chromosome	19A

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Location	
Pathway	Axon guidance; Insulin Signaling; L1CAM interactions; MAPK signaling pathway; Neurotrophin signaling pathway; Recycling pathway of L1;Signal transduction by L1
Function	nucleotide binding; protein binding; protein kinase activity; protein serine/threonine kinase activity; transferase activity; transferase activity, transferring phosphorus-containing groups

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