

Recombinant Human RPS6KA2, GST-tagged, Active

Cat. No. RPS6KA2-426H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human RPS6KA2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. MW=112kDa.
Species	Human
Source	Sf9 Cells
Description	RSK3 is a member of the RSK (ribosomal S6 kinase) family that encodes a 733-amino-acid protein with a unique N-terminal region containing a putative nuclear localization signal. RSK3 mRNA is widely expressed and is activated by growth factors, serum and phorbol ester. Upon stimulation, RSK3 translocates to the cell nucleus and phosphorylates nuclear proteins. RSK3 can bind to ERK1/2 and this association increases the duration of RSK3 activation.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	Store product at -70°C. 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.
nullValue_other	Long-term potentiation; MAPK signaling pathway; Neurotrophin signaling pathway; Progesterone-mediated oocyte maturation; mTOR signaling pathway; Signalling by NGF

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GENE INFORMATION

Gene Name	RPS6KA2 ribosomal protein S6 kinase, 90kDa, polypeptide 2 [Homo sapiens]
Synonyms	RPS6KA2; ribosomal protein S6 kinase, 90kDa, polypeptide 2; RSK; HU-2; RSK3; p90-RSK3; pp90RSK3; MAPKAPK1C; S6K-alpha; S6K-alpha2; ribosomal S6 kinase 3; ribosomal protein S6 kinase alpha 2; EC 2.7.11.1
Gene ID	6196
mRNA Refseq	NM_001006932
Protein Refseq	NP_001006933
MIM	601685
UniProt ID	Q15349
Chromosome Location	6q27
Function	ATP binding; magnesium ion binding; nucleotide binding; protein binding; transferase activity; protein serine/threonine kinase activity

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