

Recombinant Human RPS6KA6, GST-tagged, Active

Cat. No. RPS6KA6-427H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human RPS6KA6 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. MW=112kDa.
Species	Human
Source	Sf9 Cells
Description	RSK4 is a member of the 90-kDa ribosomal S6 kinase family which are important components of growth factor mediated stimulation of cellular proliferation, survival and differentiation. RSK4 is activated via coordinated phosphorylation by ERK and 3-phosphoinositide-dependent protein kinase-1 (PDK1). RSK4 is often associated with contiguous gene syndromes consisting of X-linked deafness type 3 (DFN3), mental retardation (MRX) and choroideremia (CHM). RSK4 is most abundantly expressed in the brain and kidney.
Sequence	Full-length.
Applications	Kinase Assay, Western Blot.
Storage And Stability	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.
nullValue_other	Long-term potentiation; MAPK signaling pathway; Neurotrophin signaling pathway; Progesterone-mediated oocyte maturation; mTOR signaling pathway; Signalling by

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

NGF

GENE INFORMATION

Gene Name	RPS6KA6 ribosomal protein S6 kinase, 90kDa, polypeptide 6 [Homo sapiens]
Synonyms	RPS6KA6; ribosomal protein S6 kinase, 90kDa, polypeptide 6; RSK4; PP90RSK4; S6K-alpha 6; ribosomal S6 kinase 4; EC 2.7.11.1
Gene ID	27330
mRNA Refseq	NM_014496
Protein Refseq	NP_055311
MIM	300303
UniProt ID	Q9UK32
Chromosome Location	Xq21
Function	ATP binding; magnesium ion binding; nucleotide binding; protein binding; transferase activity; protein serine/threonine kinase activity

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