

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 <i>baculovirus in Sf9 insect cell</i> 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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