

Recombinant Human RPS6KA1 protein, His & T7-tagged

Cat. No. RPS6KA1-1934H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human RPS6KA1 aa. (Phe62~Tyr321 (Accession # Q15418)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Phe62~Tyr321
Description	This gene encodes a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases. This kinase contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. The activity of this protein has been implicated in controlling cell growth and differentiation. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 33.5kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	8.9

GENE INFORMATION

Gene Name	RPS6KA1 ribosomal protein S6 kinase A1 [Homo sapiens (human)]
Official Symbol	RPS6KA1
Synonyms	RPS6KA1; ribosomal protein S6 kinase A1; RSK; HU-1; RSK1; p90Rsk; MAPKAPK1A; ribosomal protein S6 kinase alpha-1; 90 kDa ribosomal protein S6 kinase 1; MAP kinase-activated protein kinase 1a; MAPK-activated protein kinase 1a; MAPKAP kinase 1a; MAPKAPK-1a; RSK-1; S6K-alpha 1; dJ590P13.1 (ribosomal protein S6 kinase, 90kD, polypeptide 1); p90-RSK 1; p90RSK1; p90S6K; ribosomal S6 kinase 1; ribosomal protein S6 kinase, 90kDa, polypeptide 1
Gene ID	6195
mRNA Refseq	NM_001006665.1

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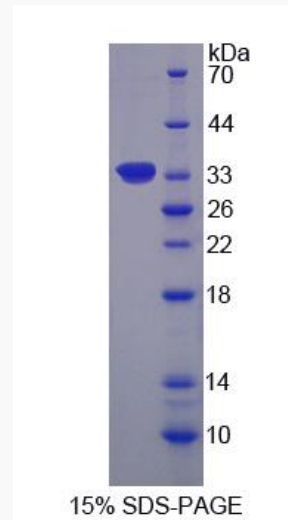
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Protein Refseq NP_001006666.1

UniProt ID Q15418

SDS-PAGE



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