

Recombinant Active Human RPS6KB2 (C150T) Protein (Full length), N-GST-tagged

Cat. No. RPS6KB2-18H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human p70S6Kb (C150T) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	Full length
Description	p70S6Kb is a member of the RSK (ribosomal S6 kinase) family of serine/threonine kinases and is activated by mitogenic stimuli, including growth factors, cytokines, and phorbol esters. p70S6Kb contains 2 nonidentical kinase catalytic domains and phosphorylates the S6 ribosomal protein and eucaryotic translation initiation factor 4B. Phosphorylation of S6 leads to an increase in protein synthesis and cell proliferation. PI3 kinase pathway and mTOR are involved in the activation of p70S6Kb but other pathways can also activate this target protein.
Bio-activity	The specific activity of p70S6Kb (C150T) was determined to be 1.1 nmol/min/mg as per activity assay protocol.
Molecular Mass	Observed MW: ~85 kDa. Calculated MW: ~81 kDa.
Purity	The purity of p70S6Kb (C150T) was determined to be > 90 % by densitometry.

 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

Stability	One year at -70 centigrade from date of shipment.
Storage	Store product at -70 centigrade. 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.
Concentration	0.1 µg/µL
Storage Buffer	Recombinant protein stored in 50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 25% glycerol.
Shipping	Dry ice

GENE INFORMATION

Gene Name	RPS6KB2 ribosomal protein S6 kinase, 70kDa, polypeptide 2 [Homo sapiens (human)]
Official Symbol	RPS6KB2
Synonyms	RPS6KB2; ribosomal protein S6 kinase, 70kDa, polypeptide 2; ribosomal protein S6 kinase, 70kD, polypeptide 2; ribosomal protein S6 kinase beta-2; KLS; P70 BETA; p70S6Kb; STK14B; P70S6K2; S6K-beta; p70 S6KB; p70-S6K 2; S6K-beta-2; p70 S6K-beta; p70 S6 kinase beta; S6 kinase-related kinase; p70 ribosomal S6 kinase beta; serine/threonine-protein kinase 14B; 70 kDa ribosomal protein S6 kinase 2; serine/threonine-protein kinase 14 beta; SRK; S6K2; P70-beta; S6K-beta2; P70-beta-1; P70-beta-2; p70(S6K)-beta;
Gene ID	6199
mRNA Refseq	NM_003952

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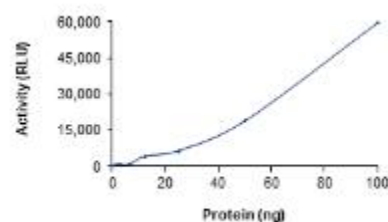
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Protein Refseq NP_003943

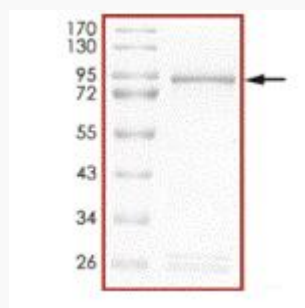
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UniProt ID Q9UBS0

Activity



Purity



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