

RSK1 recombinant protein

RSK1, Active

CATALOG # AAA73933	HOST Sf9 insect cells	APPLICATIONS Western Blot
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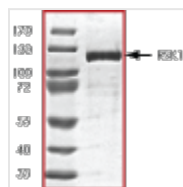
PRODUCT SYNONYMS

RSK1; Active; RPS6KA1; HU-1; MAPKAPK1A; S6K-alpha 1; RSK1 recombinant protein

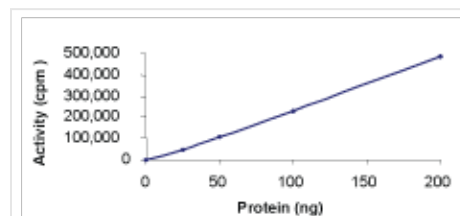
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 0.25mM DTT, 0.1mM EGTA, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Applicable Applications for RSK1 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES


SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.


Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet

ADDITIONAL INFORMATION

Related Product Information for RSK1 recombinant protein	Recombinant full-length human RSK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_002953. RSK1 is a member of the RSK (ribosomal S6 kinase) family that are growth factor-regulated serine/threonine kinases. RSK1 contains 2 nonidentical kinase catalytic domains and phosphorylates various substrates, including members of the mitogen-activated kinase (MAPK) signalling pathway. RSK1 encodes a predicted 735-amino acid protein containing 2 distinct consensus ATP-binding site sequences. RSK1 transcript is present in lymphocytes, skeletal muscle, liver, and adipose tissue (1). RSKs are implicated in the activation of the mitogen-activated kinase (MAPK) cascade and the stimulation of cell proliferation and differentiation (2).
Product Categories/Family for RSK1 recombinant protein	Protein Kinases; Apoptosis/Autophagy; Cancer; Cardiovascular Disease; ERK/MAPK Pathway; Inflammation; Neurobiology; NfκB Pathway; Ser/Thr Kinases

References

1. Moller, D E. et al: Human rsk isoforms: cloning and characterization of tissue-specific expression. Am. J. Physiol. 266: C351-C359, 1994.
2. Gross, S D. et al: Induction of metaphase arrest in cleaving Xenopus embryos by the protein kinase p90(Rsk). Science 286: 1365-1367, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_002953](#)

Molecular Weight

~108kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rsk1-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73933>