

MSK2 recombinant protein

MSK2, Active

CATALOG # AAA73939	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

MSK2; Active; RPS6KA4; RSK-B; RSKB; MSK2 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for MSK2 recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Mouse
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 MSK2 recombinant protein	Recombinant full-length mouse MSK2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The MSK2 gene accession number is BC012964. MSK2 or mitogen-and stress-activated protein kinase-2 is a member of the serine/threonine kinases family that contains 2 non-identical kinase catalytic domains and phosphorylates various substrates, including CREB1 and c-fos. MSK2 is also known as ribosomal protein S6 kinase 4 (RPS6KA4) that are activated by the mitogen-activated protein kinases ERK1, ERK2, and p38.
Product Categories/Family for MSK2 recombinant protein	Protein Kinases ; Cancer ; Cellular Stress ; Inflammation ; Neurobiology ; NfκB Pathway ; p38 Pathway ; Ser/Thr Kinases
References	1. Deak, M. et.al: Mitogen-and stress-activated protein kinase-1 (MSK1) is directly activated by MAPK and SAPK2/p38, and may mediate activation of CREB. EMBO J. 17: 4426-4441, 1998. 2. Pierrat, B. et.al: RSK-B, a novel ribosomal S6 kinase family member, is a CREB kinase under dominant control of p38-alpha mitogen-activated protein kinase (p38-alpha-MAPK). J. Biol. Chem. 273: 29661-29671, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15277981
NCBI GeneID	56613
Molecular Weight	114.0 kDa
NCBI Official Full Name	Mus musculus ribosomal protein S6 kinase, polypeptide 4, mRNA
NCBI Official Synonym Full Names	ribosomal protein S6 kinase, polypeptide 4
NCBI Official Symbol	Rps6ka4
NCBI Official Synonym Symbols	Msk2; 90kDa; mMSK2; AI848992; 1110069D02Rik
NCBI Protein Information	ribosomal protein S6 kinase alpha-4

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/msk2-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73939>