

SOK1 recombinant protein

SOK1, Active

CATALOG # AAA73144	HOST Sf9 insect cells using baculovirus	APPLICATIONS Western Blot
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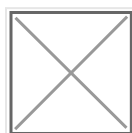
PRODUCT SYNONYMS

SOK1; Active; SOK1 recombinant protein

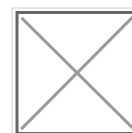
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	Full Length
Sequence Length	2527
Applicable Applications for SOK1 recombinant protein	WB (Western Blot), Kinase Assay
Species	Human
Tag	GST tag
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



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for SOK1 recombinant protein	Description: Full-length recombinant human SOK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: SOK1 or oxidant stress-response kinase-1 is a serine/threonine kinase that is activated by autophosphorylation and by reactive oxygen intermediates, but is not activated by growth factors, alkylating agents, cytokines, or environmental stresses (1). SOK1 is expressed ubiquitously with highest expression in brain and testis. SOK1 regulates cell death after chemical anoxia, as its down-regulation by RNA interference enhances cell survival. SOK1 entry into the nucleus is important for the cell death response since SOK1 mutants unable to enter the nucleus do not induce cell death (2).
Product Categories/Family for SOK1 recombinant protein	Enzymes; Active Kinases

References	1. Pombo, C M. et al: Activation of a human Ste20-like kinase by oxidant stress defines a novel stress response pathway. EMBO J. 15: 4537-4546, 1996. 2. Nogueira, E. et al: SOK1 translocates from the Golgi to the nucleus upon chemical anoxia and induces apoptotic cell death. J Biol Chem. 2008 Jun 6; 283 (23):16248-58.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	433282979
NCBI GeneID	10494
NCBI Accession #	NM_006374.4
NCBI GenBank Nucleotide #	NM_006374
UniProt Accession #	O00506; Q15522; Q5BJF1; A8K6Z3; A8K7D2; B7Z9K1
Molecular Weight	~76 kDa
NCBI Official Full Name	Homo sapiens serine/threonine kinase 25 (STK25), transcript variant 4, mRNA
NCBI Official Synonym Full Names	serine/threonine kinase 25
NCBI Official Symbol	STK25
NCBI Official Synonym Symbols	SOK1; YSK1
NCBI Protein Information	serine/threonine-protein kinase 25
UniProt Protein Name	Serine/threonine-protein kinase 25
UniProt Gene Name	STK25
UniProt Synonym Gene Names	SOK1; YSK1; SOK-1; Ste20/oxidant stress response kinase 1

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.