

KHS1 recombinant protein

KHS1, Active

CATALOG # AAA73673	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

KHS1; Active; MAP4K5; KHS; GCKR; MAPKKKK5; KHS1 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 KHS1 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 KHS1 recombinant protein	Recombinant full-length human KHS1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_006575. KHS1 belongs to serine/threonine kinase family that has a STE20-like protein kinase domain which stimulates the stress-activated protein kinase (SAPK, also known as Jun kinase or JNK) pathway (1). It is a mitogen-activated protein kinase kinase kinase kinase 5, termed germinal center kinase related (GCKR). Recently, the KH domain of Escherichia coli polynucleotide phosphorylase has been reported to be necessary for autoregulation and growth at low temperature (2).
Product Categories/Family for KHS1 recombinant protein	Protein Kinases ; Cellular Stress ; Ser/Thr Kinases
References	1. Shi, C.S. et al: TNF-mediated activation of the stress-activated protein kinase pathway: TNF receptor-associated factor 2 recruits and activates germinal center kinase related. J. Immunol. 1999;163(6):3279-85. 2. Maura Epifanía, M.O. et al: The KH and S1 domains of Escherichia coli polynucleotide phosphorylase are necessary for autoregulation and growth at low temperature. Biochim. et Biophys. Acta (BBA). 2007; 1769 (3):194-203

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_006575
Molecular Weight	~135kDa

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/khs1-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73673>