ASK1 recombinant protein

ASK1, Active

CATALOG #	HOST	APPLICATIONS
AAA73659	**Sf9 insect cells**	**Western Blot**

PRODUCT SYNONYMS

ASK1; Active; MAP3K5; MEKK5; MAPKKK5; ASK1 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 ASK1 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 ASK1 recombinant protein	Recombinant human ASK1 (649-946) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_005923. ASK1, also known as MAPKKK5, activates MKK3, MKK4 (SEK1), and MKK6. Overexpression of ASK1 induces apoptotic cell death, and ASK1 is activated in cells treated with tumor necrosis factor-alpha (1). ASK1 interacts with members of the TRAF family and is activated by TRAF2 in the TNF-signaling pathway. After activation by TRAF2, ASK1 activates MKK4, which in turn activates JNK. Thus, ASK1 is a mediator of TRAF2-induced JNK activation (2).
Product Categories/Family for ASK1 recombinant protein	Protein Kinases; Apoptosis/Autophagy; Cancer; Cellular Stress; JNK/SAPK Pathway; p38 Pathway; Ser/Thr Kinases
References	1. Ichijo, H. et al: Induction of apoptosis by ASK1, a mammalian MAPKKK that activates SAPK/JNK and p38 signaling pathways. Science 275: 90-94, 1997. 2. Nishitoh, H. et al: ASK1 is essential for JNK/SAPK activation by TRAF2. Molec. Cell 2: 389-395, 1998.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_005923
Molecular Weight	~60kDa

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/ask1-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73659