

MLK3 recombinant protein

MLK3, Active

CATALOG # AAA73665	HOST Sf9 insect cells	APPLICATIONS Western Blot
------------------------------	---------------------------------	-------------------------------------

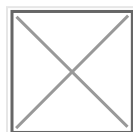
PRODUCT SYNONYMS

MLK3; Active; MAP3K11; PTK1; SPRK; MGC17114; MLK-3; MLK3 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 MLK3 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 MLK3 recombinant protein	Recombinant human MLK3 (1-488) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The MLK3 gene accession number is NM_002419. MLK3 or Mixed-Lineage Kinase 3 is a mitogen-activated protein kinase kinase kinase capable of preferentially activating MAPK8/JNK kinase and functions as a positive regulator of JNK signaling pathway (1). MLK3 can directly phosphorylate and activate IκappaB kinase alpha and beta, and is found to be involved in the transcription activity of NF-kappaB mediated by Rho family GTPases and CDC42. MLK3 is a signal-integrating kinase with conventional MAP3K catalytic activity and additional noncatalytic functions that contribute to RAF/ERK signalling (2). MLK3 is a component of the BRAF/RAF1 complex and is required for integrity of the complex and for activation of ERK by the complex.
Product Categories/Family for MLK3 recombinant protein	Protein Kinases; Apoptosis/Autophagy; Cell Cycle; JNK/SAPK Pathway; Ser/Thr Kinases

References

1. Ing, Y. L. et al: MLK-3: identification of a widely-expressed protein kinase bearing an SH3 domain and a leucine zipper-basic region domain. Oncogene 9: 1745-1750, 1994.
2. Chadee, D. N. et al: MLK3 is required for mitogen activation of B-Raf, ERK and cell proliferation. Nature Cell Biol. 6: 770-776,2004.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_002419](#)

Molecular Weight

~83kDa

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/mlk3-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73665>