

DLK recombinant protein

DLK, Active

CATALOG # AAA73666	HOST Sf9 insect cells	APPLICATIONS Western Blot
------------------------------	---------------------------------	-------------------------------------

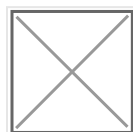
PRODUCT SYNONYMS

DLK; Active; MAP3K12; MUK; ZPK; ZPKP1; MEKK12; DLK 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 DLK 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 Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for DLK recombinant protein	Recombinant human DLK (1-520) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is NM_006301. DLK or mitogen-activated protein kinase kinase kinase 12 is a transmembrane protein containing six epidermal growth factor repeats and is a serine/threonine protein kinase. DLK is involved in the differentiation of several cell types, including adipocytes. DLK plays a role of a tumor suppressor protein and is predominately expressed in neuronal cells. DLK as an activator of the Jnk pathway. Overexpression of DLK results in activation of Jnk1 and the accumulation of a hyperphosphorylated form of c-Jun (1). Postnatal loss of DLK in stem cells and niche astrocytes has been shown to regulate neurogenesis (2).
Product Categories/Family for DLK recombinant protein	Protein Kinases ; Angiogenesis ; Apoptosis/Autophagy ; Cancer ; Cardiovascular Disease ; ERK/MAPK Pathway ; Invasion/Metastasis ; Neurobiology ; Ser/Thr Kinases
References	1. Hirai, S. et al: Activation of the JNK pathway by distantly related protein kinases, MEKK and MUK. Oncogene 12: 641-650, 1996. 2. Ferron, S. R.et.al: Postnatal loss of Dlk1 imprinting in stem cells and niche astrocytes regulates neurogenesis. Nature 475: 381-385, 2011.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #	NM_006301
Molecular Weight	94kDa

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/dlk-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73666>