



## Recombinant Human MLK3 (N-GST tag)

Cat No:HR2R1754

For research use only

### Overview

Quantity	10 ?g
Gene Symbol	MLK3
Gene ID	N/A
Accession	NM_002419
Alternative Name	MAP3K11, PTK1, SPRK, MLK3, MGC17114, MLK-3
Species	Human
Source	Insect cells
Description	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 . MLK3 can directly phosphorylate and activate I $\kappa$ B kinase a and ?, and is found to be involved in the transcription activity of NF- $\kappa$ B 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 . 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.?
Functions	The specific activity of MLK3 was determined to be 9.5 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	83
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?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.